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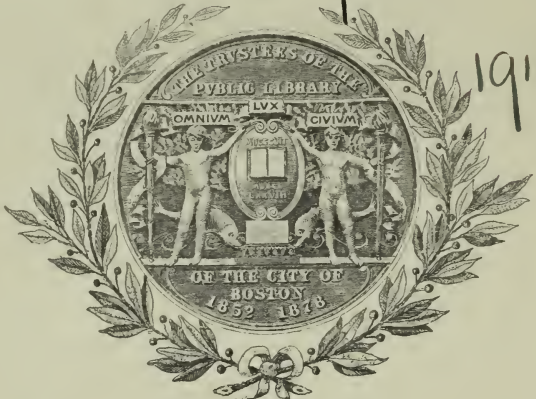
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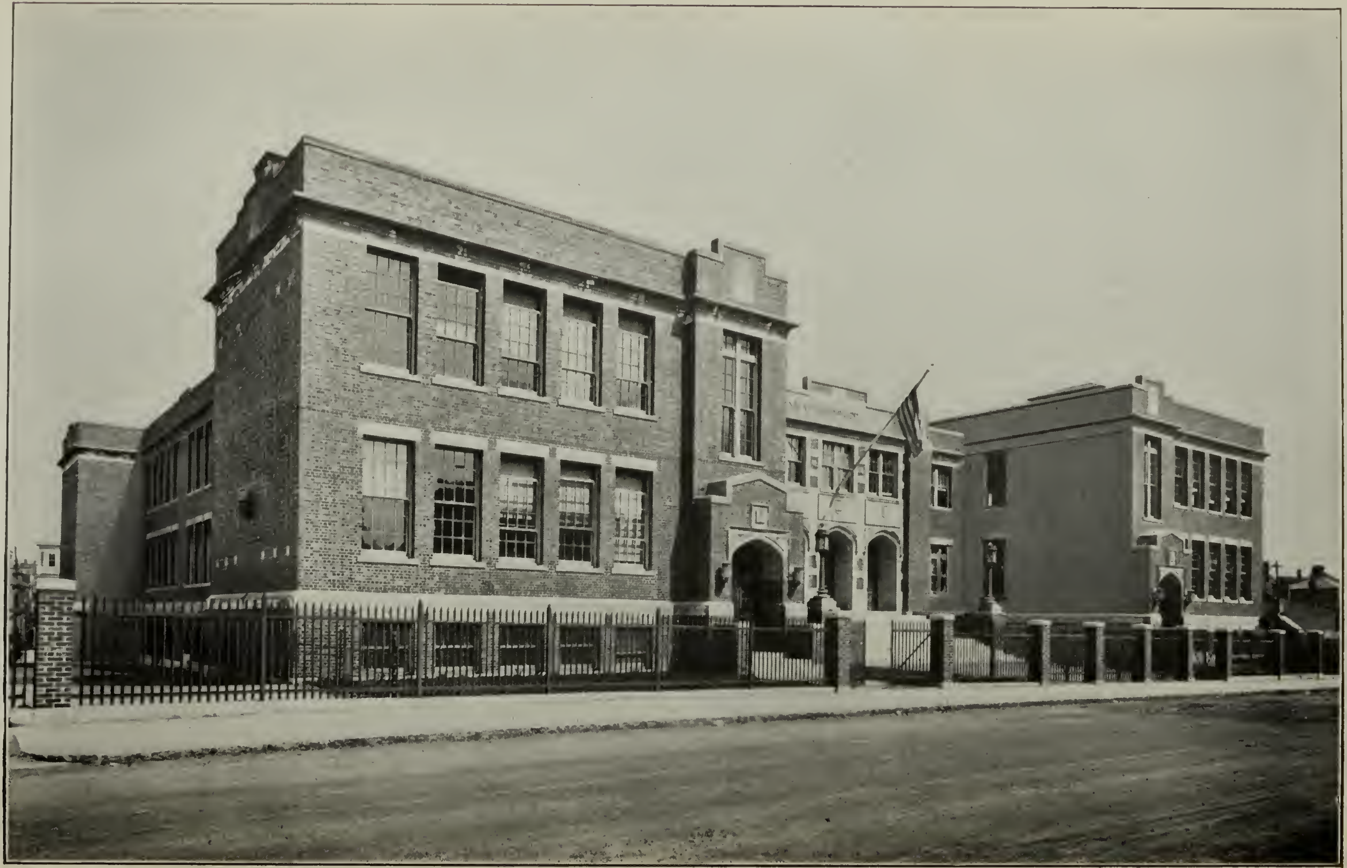

SARAH GREENWOOD SCHOOL.

Funk & Wilcox, Architects.

THE ANNUAL REPORT OF THE SCHOOLHOUSE DEPARTMENT

FROM FEBRUARY 1, 1919, TO
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CITY OF BOSTON
PRINTING DEPARTMENT
1920

6349.70

Schoolhouse Department
Dec. 13. 1920

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BUILDINGS IN CHARGE OF SCHOOLHOUSE DEPARTMENT.

Number of Permanent School Buildings	273
Of the above there are in use as Storehouses, etc.	3
Number of Portable Buildings	161
Number of Hired Buildings	18
Giving Class-rooms to the Number of	54
Number of New Buildings Finished by Commission	66
Number of Additions to Buildings Finished by Commission	25
Number of Buildings under Construction at the Present Time	3

ANNUAL REPORT

OF THE

SCHOOLHOUSE DEPARTMENT

FOR THE YEAR ENDING JANUARY 31, 1920.

Hon. Andrew J. Peters,
Mayor of the City of Boston:

Dear Sir,— In accordance with the provisions of chapter 473 of the Acts of 1901, the Board of Schoolhouse Commissioners submits herewith its eighteenth annual report, covering the period from February 1, 1919, to February 1, 1920.

I.

WORK EXECUTED UNDER THE APPROPRIATION FOR LAND AND BUILDINGS FOR SCHOOLS.

(1.) Report of Progress on Buildings Described Last Year and on New Work Undertaken Since Then.

Of the School Committee's list (Bond Issue), 1915–16, the Board reports as follows:

Item 5.— Abraham Lincoln District.— Under an order passed by the School Committee the location of the proposed School Administration Building is to be in the Prince District. A number of sites are under consideration at the present time. A decision will be made in the near future regarding this site.

On Tax Levy list, 1917–18:

Item 4.— Robert G. Shaw District, West Roxbury, elementary school, lower grades, Mt. Vernon street, completion of building.

	Original Contract.	Completed Contract.
General contract (all trades) . .	$174,000 00	$178,750 90

Item 6.— Roger Wolcott District, Dorchester, elementary school, upper grades, completion of building at the corner of Norfolk and Morton streets, under construction.

	Original Contract.	Contract to Date.
General contract (all trades) . .	$99,680 00	$97,323 82

Item 8.— Oliver Wendell Holmes District, Dorchester, elementary school, upper and lower grades, completion of enlargement of building, corner of Glenway and Harvard streets.

	Original Contract.	Completed Contract.
General contract (all trades) . .	$278,000 00	$275,374 42

Item 9.— Henry Grew District, Hyde Park, Hyde Park High School, completion of addition authorized in 1915.

	Original Contract.	Completed Contract.
General contract (all trades) . .	$89,990 00	$120,380 50

Item 13.— Roger Wolcott District, Dorchester, elementary school, land and eight-room building, west of Blue Hill avenue.

	Original Contract.	Contract to Date.
General contract (all trades) . .	$117,970 00	$115,893 57

Item 14.— John Cheverus District, East Boston, elementary school, eight-room building, on land adjacent to Blackinton Schoolhouse.

	Original Contract.	Contract to Date.
General contract (all trades) . .	$134,950 00	$134,950 00

Item 15.— Eliot-Hancock Districts, North End, Charter street, elementary school, lower grades and special class-rooms, single story building, ten class-rooms and in addition thereto a kindergarten, manual training-room and assembly hall, building to be erected with temporary roof to provide for additional stories later.

	Original Contract.	Completed Contract.
General contract (all trades) . .	$166,973 00	$169,217 62

Item 21.— Bowdoin District, West End, extension of yard of Bowdoin School. Land taken on Myrtle street September 30, 1919.

On Tax Levy list, 1918–19:

Item 6.— Roger Wolcott District, Dorchester, elementary school, upper grades, completion of building, corner of Norfolk and Morton streets. (Item 12, 1916; Item 6, 1917.)

	Original Contract.	Contract to Date.
General contract (all trades) . .	$95,300 00	$95,300 00

Item 7.— Dearborn District, Roxbury, Dearborn School, eight-room building with a basement arranged for four prevocational classes. (Item 17, 1917.)

	Original Contract.	Contract to Date.
General contract (all trades) . .	$156,296 00	$160,164 98

Item 8.— Eliot-Hancock Districts, North End, Charter street, elementary school, completion of Michael Angelo School. (Item 3, 1914, Bond Issue; Item 9, 1915; Item 6, 1916; Item 15, 1917.) This work has been held up. Appropriation transferred to other items.

Item 9.— Agassiz-Bowditch Districts, Jamaica Plain, West Roxbury High School, ten-room addition. Plans and specifications are practically complete.

Item 10.— Minot District, Dorchester, land and plans for eight-room unit. Progress delayed by the School Committee.

Item 11.— Bennett District, Brighton, land and plans for six-room building, upper grades, in vicinity of Mary Lyon School. Progress delayed by the School Committee.

Item 12.— Martin District, Roxbury, High School of Commerce, extension of yard and grading of same.

	Original Contract.	Completed Contract.
General contract (all trades) . .	$17,893 00	$18,147 00

Items 13, 14, 15, 16, 17 and 18, reported last year.

On June 16, 1919, the School Committee passed the following order:

Ordered, That the Board of Schoolhouse Commissioners is hereby requested to submit to this Board for its information a statement showing the estimated cost of each of the items contained in the order passed by this Board on June 16, 1919, designating the school districts in which additional school accommodations are to be provided from the tax levy and for the administration expenses of the Schoolhouse Department.

ADMINISTRATION EXPENSES.

Schoolhouse Department.

Item 1.— Administration expenses, Schoolhouse Department.

Additional Provisions to Meet Cost of Accommodations Previously Authorized.

Item 2.— Henry Grew District, Hyde Park: Hyde Park High School, completion of addition authorized in 1915. (Item 5, 1916; Item 9, 1917.)

Item 3.— Oliver Wendell Holmes District, Dorchester: Elementary school, upper and lower grades, completion of enlargement of building on Glenway and Harvard streets, (Item 10, 1915; Item 8, 1916; Item 8, 1917.)

Item 4.— Roger Wolcott District, Dorchester: Elementary school, completion of eight-room building west of Blue Hill avenue. (Item 13, 1917.)

Item 5.— Eliot-Hancock District, North End: Charter street elementary school; completion of Michael Angelo School, first unit. (Item 3, 1914, Bond Issue; Item 9, 1915; Item 8, 1916; Item 15, 1917; Item 5, 1918.)

Item 6.— Dearborn District, Roxbury: Dearborn School, completion of eight-room building with basement, arranged for prevocational classes. (Item 17, 1917; Item 4, 1918.)

Item 7.— Blackinton-John Cheverus District, East Boston: Elementary school, plans and eight-room building on land adjacent to Blackinton Schoolhouse.

Additional Accommodations.

Item 8.— Roger Wolcott District, Dorchester: Intermediate school, plans and twenty-room building with four shops.

Item 9.— Samuel Adams District, East Boston: Elementary School, plans and sixteen-room building.

Item 10.— Lewis District, Roxbury: Elementary school, plans and twelve-room building.

Item 11.— Land only for Items 8, 9 and 10.

Enlargement and Preparing of Schoolyards.

Item 12.— Bowdoin District, West End: Extension of yard of Bowdoin School.

Additional Portable Buildings.

Item 13.— Twenty-one additional portable schoolhouses.

On September 2, 1919, the Board replied:

In compliance with your request that the Board of Schoolhouse Commissioners submit for your information a statement showing the estimated cost of each of the items contained in your order passed June 16, 1919, designating the school districts in which additional school accommodations are to be provided, with the administration expenses of the Schoolhouse Department and the rent for hired school accommodations, from the tax levy and by transfer from unexpended balances of appropriations of previous years, the following is submitted:

ADMINISTRATION EXPENSES.

Schoolhouse Department.

Item 1.— Administration expenses, Schoolhouse Department	$20,000 00

Additional Provision to Meet Cost of Accommodations Previously Authorized.

Item 2.— Henry Grew District, Hyde Park, Hyde Park High School, completion of addition authorized in 1915. (Item 5, 1916; Item 9, 1917.)	17,000 00
Item 3.— Oliver Wendell Holmes District, Dorchester, elementary school, upper and lower grades, completion of enlargement of building on Glenway and Harvard streets. (Item 10, 1915; Item 8, 1916; Item 8, 1917.)	6,000 00
Item 4.— Roger Wolcott District, Dorchester, elementary school, completion of eight-room building west of Blue Hill avenue. (Item 13, 1917.)	21,000 00
Item 5.— Eliot-Hancock District, North End, Charter street, elementary school, completion of Michael Angelo School, first unit. (Item 3, 1914, Bond Issue; Item 9, 1915; Item 8, 1916; Item 15, 1917; Item 5, 1918.)	20,000 00
Item 6.— Dearborn District, Roxbury, Dearborn School, completion of eight-room building with basement, arranged for prevocational classes. (Item 17, 1917; Item 4, 1918.)	40,384 35
Item 7.— Blackinton-John Cheverus District, East Boston, elementary school, plans and right-room building on land adjacent to Blackinton Schoolhouse	41,000 00

Additional Accommodations.

Item 8.— Roger Wolcott District, Dorchester, intermediate school, plans and twenty-room building with four shops	410,000 00
Item 9.— Samuel Adams District, East Boston, elementary school, plans and sixteen-room building	269,700 00
Carried forward	$845,084 35

Brought forward	$845,084 35
Item 10.— Lewis District, Roxbury, elementary school, plans and twelve-room building	39,360 31
Item 11.— Land only for Items 8 and 10	60,000 00
Enlargement and Preparing of Schoolyards.	
Item 12.— Bowdoin District, West End, extension of yard of Bowdoin School	45,250 00
Additional Portable Buildings.	
Item 13.— Twenty-one additional portable schoolhouses	90,000 00
Additional Items Not Shown on School Committee List — Additional Accommodations.	
Item 14.— Roger Wolcott District, Dorchester, completion of second unit, Pauline Agassiz Shaw School	13,000 00
Hired School Accommodations.	
Item 15.— Rent of hired school accommodations,	40,000 00
	$1,132,694 66

In connection with the foregoing list the following is a report of the progress made so far:

Item 8.— Roger Wolcott District, Dorchester, intermediate school, plans and twenty-room building with four shops. The architect has been appointed and sketches are being prepared.

Item 9.— Samuel Adams District, East Boston, elementary school, plans and sixteen-room building. Plans and specifications are in progress.

Item 10.— Lewis District, Roxbury, elementary school, plans and twelve-room building. Delay in building. Site under consideration.

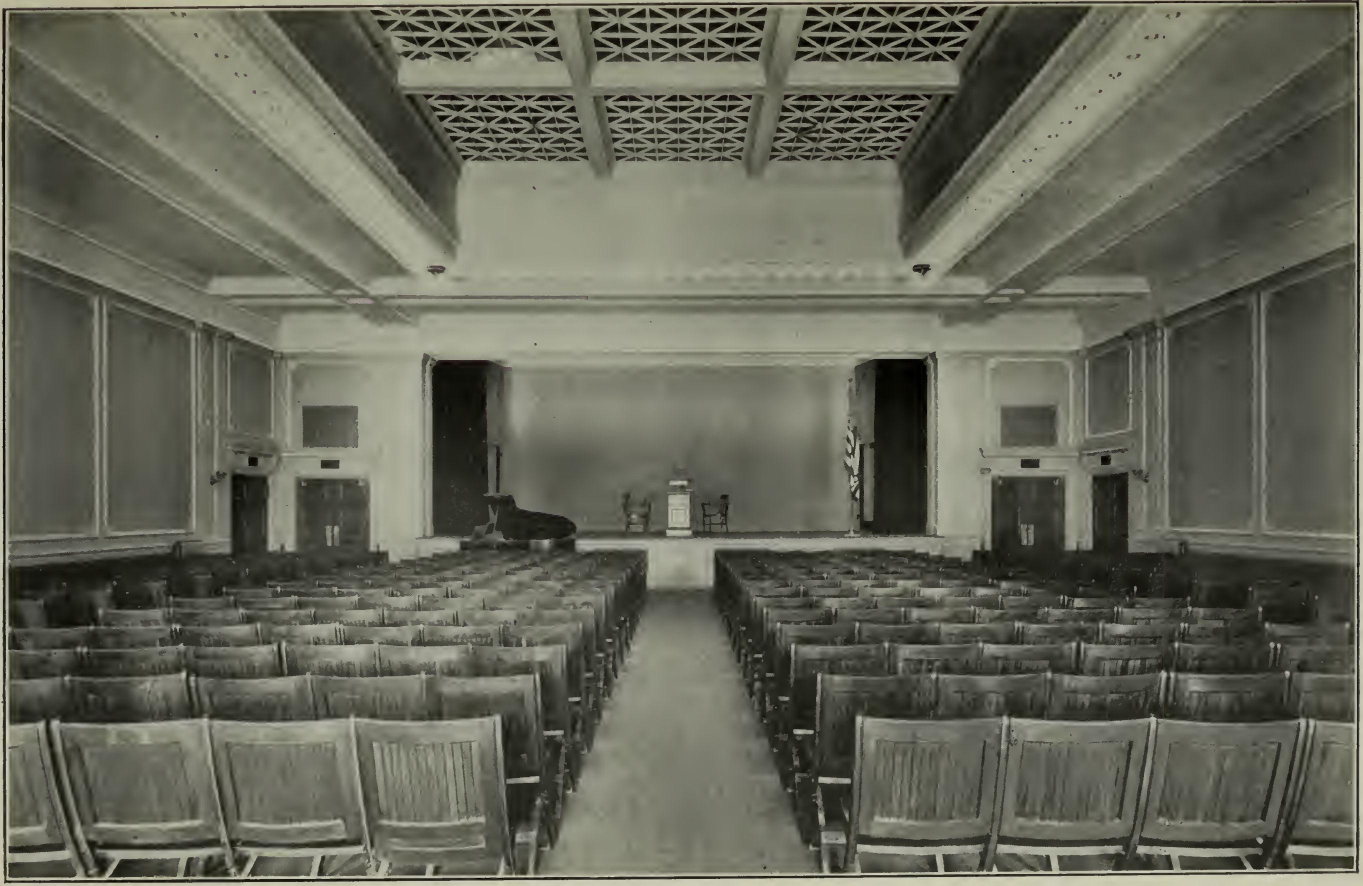
Item 11.— Land only for Items 8 and 10. Street Commissioners ordered to take land on Maxwell street, Dorchester, for Item 8. For Item 10, several sites under consideration. Land will be taken in the immediate future.

Item 12.— Bowdoin District, West End, extension of yard of Bowdoin School. (See Tax Levy list, 1917–18.)

Item 13.— Twenty-one additional portable schoolhouses.

	Original Contract.	Contract to Date.
General contract (all trades)	$66,330 00	$66,652 54

Item 14.— Roger Wolcott District, Dorchester: Completion of second unit, Pauline Agassiz Shaw School. (See Tax Levy list, 1918–19.)



SARAH GREENWOOD SCHOOL — ASSEMBLY HALL.

Funk & Wilcox, Architects

II.

REPAIRS.

The Board received to be expended for alterations and repairs the sum of $532,128.63.

Below find some of the more important items completed:

Architectural Division.— Comins School, repairs on two fire escapes; Dorchester High School, changes in master's office; Girls' High School, new equipment, lockers, etc., for gymnasium; Continuation School, Common street, divided assembly hall into three classrooms, reinforced floor of machine room and new fireproofing; Bowdoin School, reinforcement of coal bin; Dwight School, fireproofing janitor's room and supply room; Samuel G. Howe School, fireproofing janitor's room; William H. Kent School, replaced coal bin partition with brick wall; Warren School, fireproofing wood and coal bins; Hyde Park High School, new janitor's room and supply room, and 295 new metal lockers; Wyman School, fireproofing janitor's room and supply room and fireproofing in basement; Wendell Phillips School, alterations in Room 4 and new nurse's room.

Civil Engineering Division.— Building gun racks at the High School of Commerce and Boston Trade School. Driveways at the Gaston, James Otis and John Cheverus Schools. Grading and paving yards at the William Bradford, William Blackstone, Howard Avenue and Michael Angelo Schools and High School of Practical Arts. Rebuilding wall and fences at the Thomas N. Hart, Shurtleff, Walnut Street, Margaret Fuller and John A. Andrew Schools and West Roxbury High School. Moving ten portable school buildings to various schools.

Electrical Division.—Electric lighting was installed in the Benjamin F. Tweed, Copley, Thomas S. King, Bunker Hill, Nahum Chapin, William H. Kent, Samuel Dexter, Rice, Charles C. Perkins, Prince, Elihu Greenwood, Brighton High, Frederic A. Whitney, Gilbert Stuart, Mary Hemenway, Walnut Street, Hugh O'Brien, Albert Palmer, Aaron Davis, Thomas Dwight, Savin Hill Avenue, Gaston and Thomas N. Hart Schools. Eighty rooms in above schools were completely wired for electric lights. The gymnasium of the English High School and assembly hall in the Gaston School were equipped with electric lights. Complete electric clock systems were installed in the Quincy, Christopher Gibson and

Emerson Schools. Master clock and program system was installed in the Horace Mann School. Telephone systems were installed in the Bennett and Bigelow Schools, and switch board changes, in the Roxbury High School. Underground fire alarm systems and boxes were installed in the Sarah Greenwood, Audubon, Hyde Park High and Michael Angelo Schools. Underground connection to old systens in the Christopher Gibson, Edward Everett, William E. Russell, Lewis and Roger Clap Schools. Machinery and manual training equipment were installed in the Continuation, Bigelow, Sherwin, Boston Trade, Mary Hemenway, Michael Angelo, Roger Wolcott, East Boston High, William L. Garrison, Lewis, North Bennet Street Industrial and Tyler Street Schools.

Heating and Ventilating Division.— New boiler and ventilating system installed in the Christopher Gibson School. New boiler installed in the Benjamin Pope School. New boiler and basement piping installed in the Theodore Lyman School. New indirect radiation installed in the Fairmount School. Additional radiation installed in the East Boston High, William Bradford, Richard Olney, John A. Andrew, Oliver Hazard Perry and Quincy Schools. Retubing boilers in 34 schools. Repairs on steam-heating apparatus and furnaces in 239 schools and 137 portable school buildings.

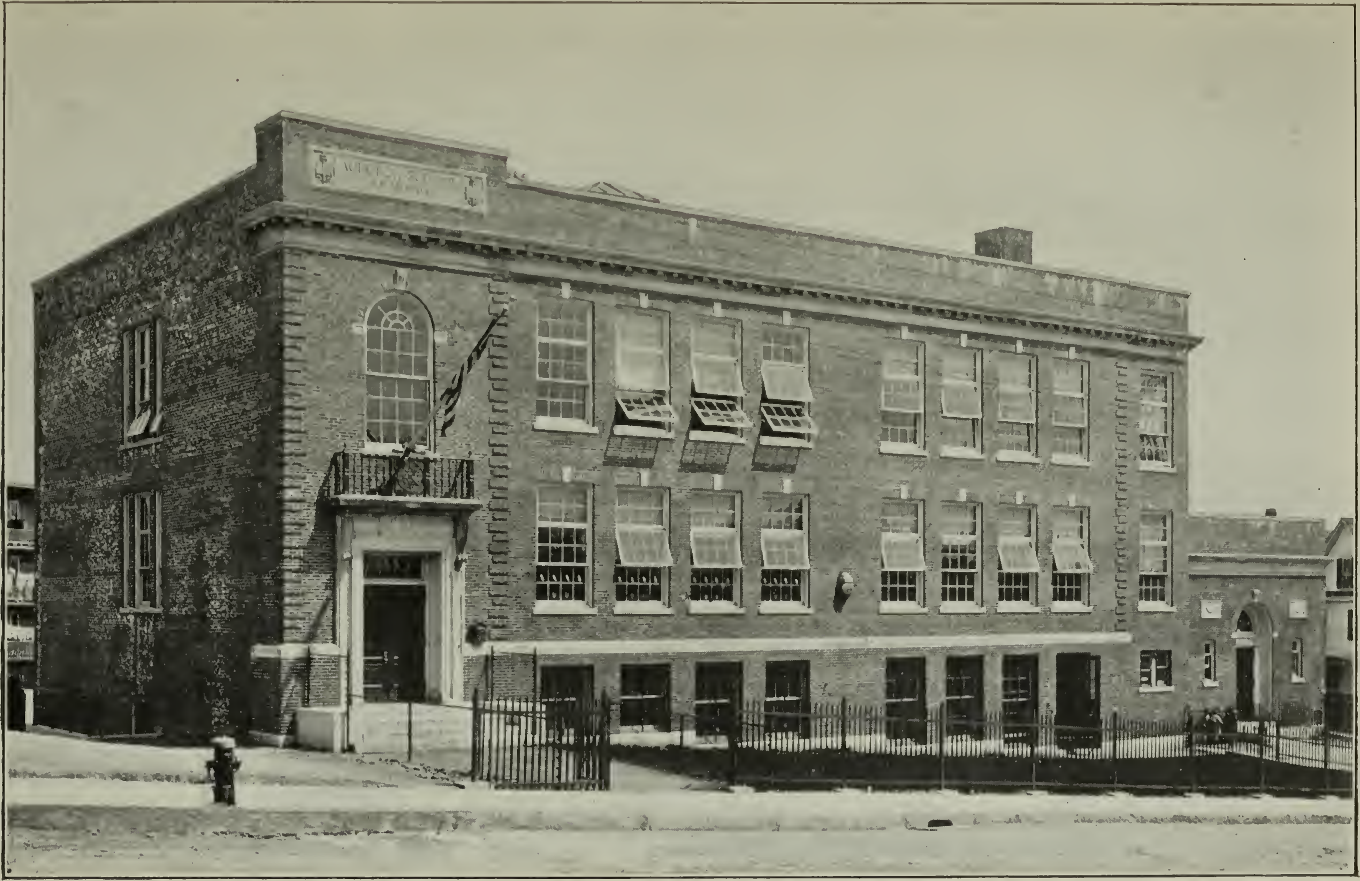
Plumbing Division.— An entire new plumbing system installed in the Lyceum Hall and Choate Burnham Schools. New water supply installed in the Hyde Park High, Mather, Christopher Gibson, Paul Revere and Wells Schools. Additional new plumbing fixtures installed in the Bigelow, Gilbert Stuart and Chapman Schools. New toilet-room installed in the Dorchester High School.

III.

CONCLUSION.

The Board wishes to express to your Honor its appreciation of hearty support and active assistance in its efforts to carry out its work, and to the officers of the School Committee for their assistance and coöperation.

Joseph P. Lomasney,
James J. Mahar,
Commissioners.
Malcolm E. Nichols,
Acting Commissioner.



AUDUBON SCHOOL.

James E. McLaughlin, Architect.

APPENDICES.

APPENDIX I.

APPROPRIATION FOR LAND AND BUILDINGS FOR SCHOOLS AND RENT OF HIRED SCHOOL ACCOMMODATIONS.

I.

Total Appropriations and Credits Received by the Department from February 1, 1919, to February 1, 1920.

Appropriations.

Balance from last year		$1,566,159 67
Tax levy		987,310 31
Bond Issue		750,000 00
		$3,303,469 98

Expenditures.

Amount expended for site, erection and furnishing of new buildings	$457,393 36	
Amount expended for administration expenses	26,906 46	
Amount expended for enlarging school yards	18,553 83	
Amount expended for rent of hired school accommodations,	42,161 67	
		545,015 32
Amount unexpended February 1, 1920		$2,758,454 66

II.

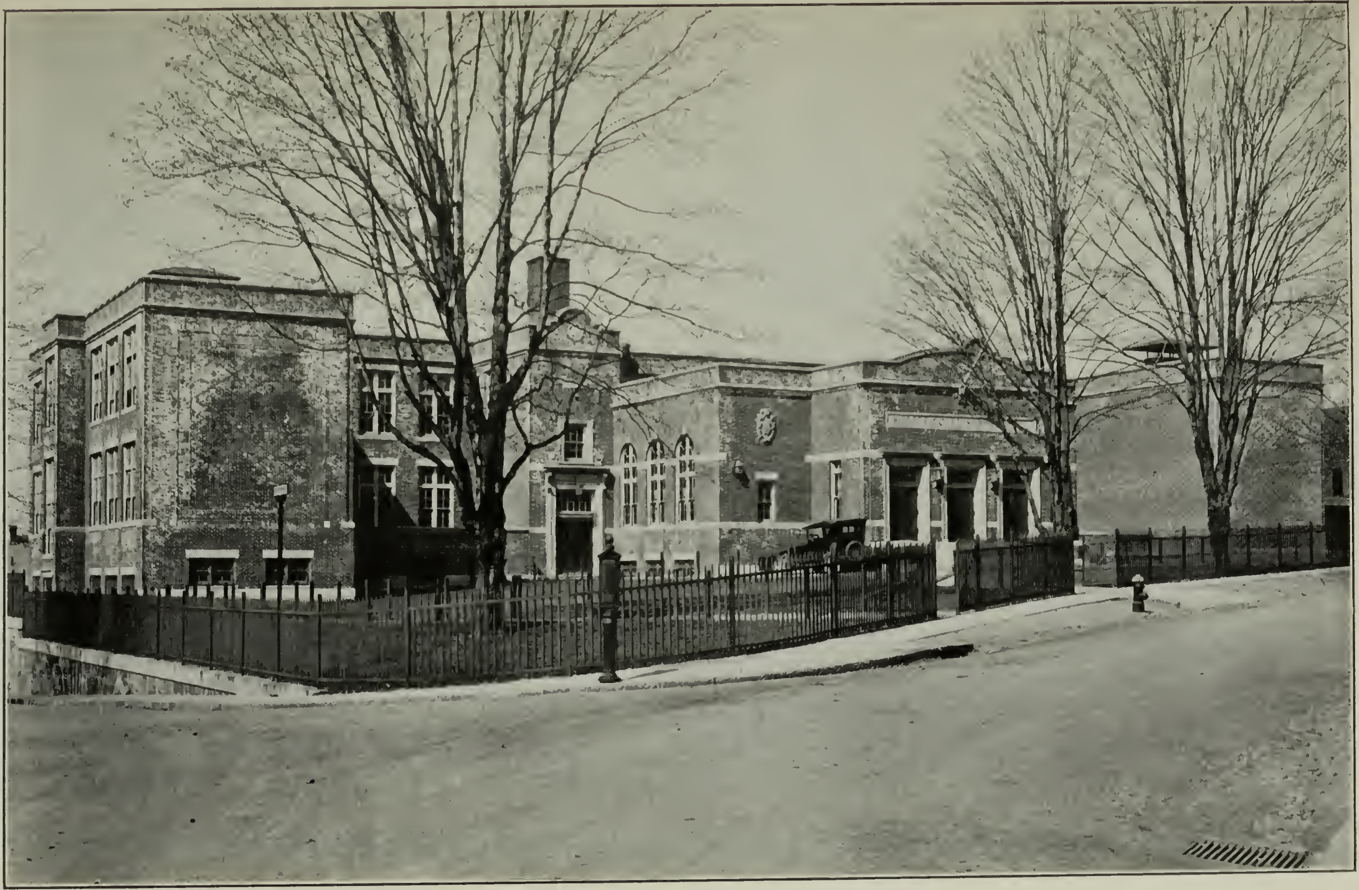
The following statement shows the expenditures on account of the above appropriation from February 1, 1919, to February 1, 1920:

Appropriations and credits, 1919–20	$3,303,469 98
Addition to West Roxbury High School.	
Site	$32 50
School Administration Building.	
Site	7 70
Carried forward	$40 20

Brought forward		$40 20
Boston Industrial School for Boys.		
Building	$5,293 74	
Furnishings	1,985 68	
		7,279 42
Addition to Hyde Park High School.		
Building	$18,033 38	
Furnishings	1,928 52	
		19,961 90
Public Latin School.		
Site		511 10
Eliot-Hancock Districts, Lower Elementary (Michael Angelo School).		
Building	$74,534 02	
Furnishing	6,344 00	
Grading	4,420 00	
		85,298 02
Oliver Wendell Holmes District, Lower Elementary (Sarah Greenwood School).		
Building	$73,167 63	
Furnishings	17,682 00	
		90,849 63
Henry L. Pierce-Mary Hemenway Districts (Rochambeau School).		
Building	$30 00	
Furnishings	617 37	
		647 37
Robert G. Shaw District (Robert G. Shaw School).		
Building	$2,655 69	
Furnishings	2,123 90	
		4,779 59
Henry L. Pierce District (Emily Fifield School).		
Furnishings		1,136 75
Roger Wolcott District (Pauline Agassiz Shaw School).		
Building	$1,217 15	
Furnishings	350 00	
		1,567 15
Carried forward		$212,071 13

Brought forward		$212,071 13
Addition Pauline Agassiz Shaw School.		
Building		28,969 67
Addition to James Otis School.		
Building		9,213 84
Roger Wolcott District (West of Blue Hill Avenue), Audubon School.		
Building	$44,483 19	
Furnishings	4,842 00	
		49,325 19
John Cheverus District.		
Building		15,363 15
Dearborn District, Extension of Yard and Annex.		
Building		69,183 60
Addition to William Lloyd Garrison School.		
Building	$383 99	
Furnishings	492 00	
		875 99
21 Additional Portable Schoolhouses.		
Building	$58,329 97	
Furnishings	5,298 10	
		63,628 07
Land for Roger Wolcott District (Intermediate School).		
Site		11 00
Land for Lewis District, Elementary School.		
Site		7 40
Winchell School, Enlargement and Preparation of Yard.		
Grading		477 39
High School of Commerce, Extension and Grading of Yard.		
Grading		6,976 59
Carried forward		$456,103 02

Brought forward		$456,103 02
Abram E. Cutter School, Extension of Yard.		
Site		2,500 00
Lewis School, Preparing Lot and Erecting Three Portable Buildings.		
Building	$7,013 12	
Furnishings	1,731 20	
		8,744 32
Longfellow District, Enlargement of Longfellow School Yard.		
Grading		194 00
Oliver Wendell Holmes School, Enlargement and Grading of Yard.		
Land	$1,405 85	
Grading	7,000 00	
		8,405 85
Administration Expenses.		
Salaries of employees	$23,627 29	
Automobile care and maintenance	1,724 89	
Printing and advertising	50 78	
Blueprint paper	350 09	
Photographic supplies	64 16	
Furniture	991 95	
Stationery	68 47	
Incidentals	28 83	
		26,906 46
Rent of Hired School Accommodations.		
Barham Memorial Church	$400 00	
Boylston street, 48	750 00	
Bowdoin and Claybourne streets,	210 00	
Eliot street, Jamaica Plain (Trustees' Building)	800 00	
Everett Square Theater	20 00	
Franklin street, 149	60 00	
Franklin Union	5,571 20	
Glenway and Harvard streets	350 00	
Hanson street, 1	744 00	
Harvard street, 111	455 00	
Harvard street, 143–145	350 00	
Hull street, 24	420 00	
Hyde Park Gymnasium	880 00	
Carried forward	$11,010 20	$502,853 65



ROBERT GOULD SHAW SCHOOL.

Blackall, Clapp & Whittemore, Architects.

Brought forward . . .	$11,010 20	$502,853 65
La Grange street, 25 . . .	5,613 40	
Moon street	11,830 00	
North Bennet street, 39 . .	2,990 00	
Saratoga street, 66 . . .	600 00	
Tileston street, 52 . . .	900 00	
Tremont street, 218 . . .	4,957 07	
Tremont street, 278B . .	923 67	
Tremont Temple . . .	400 00	
Unitarian Church of Roslindale,	667 33	
Upham Memorial Church . .	130 00	
Walnut avenue and Walnut park,	1,140 00	
Willowwood street, 3 . . .	1,000 00	
Total rents and taxes		42,161 67
		$545,015 32
Amount voted for and set aside, but not expended to date for sites, construction and furnishing of new buildings, administration expenses, fire protection, enlarging school yards and rent of hired school accommodations		2,758,454 66
		$3,303,469 98

Elementary schools	$441,177 98
High schools	34,761 51
Administration Building	7 70
Rent of hired school accommodations . .	42,161 67
Administration expenses	26,906 46
	$545,015 32

APPENDIX II.

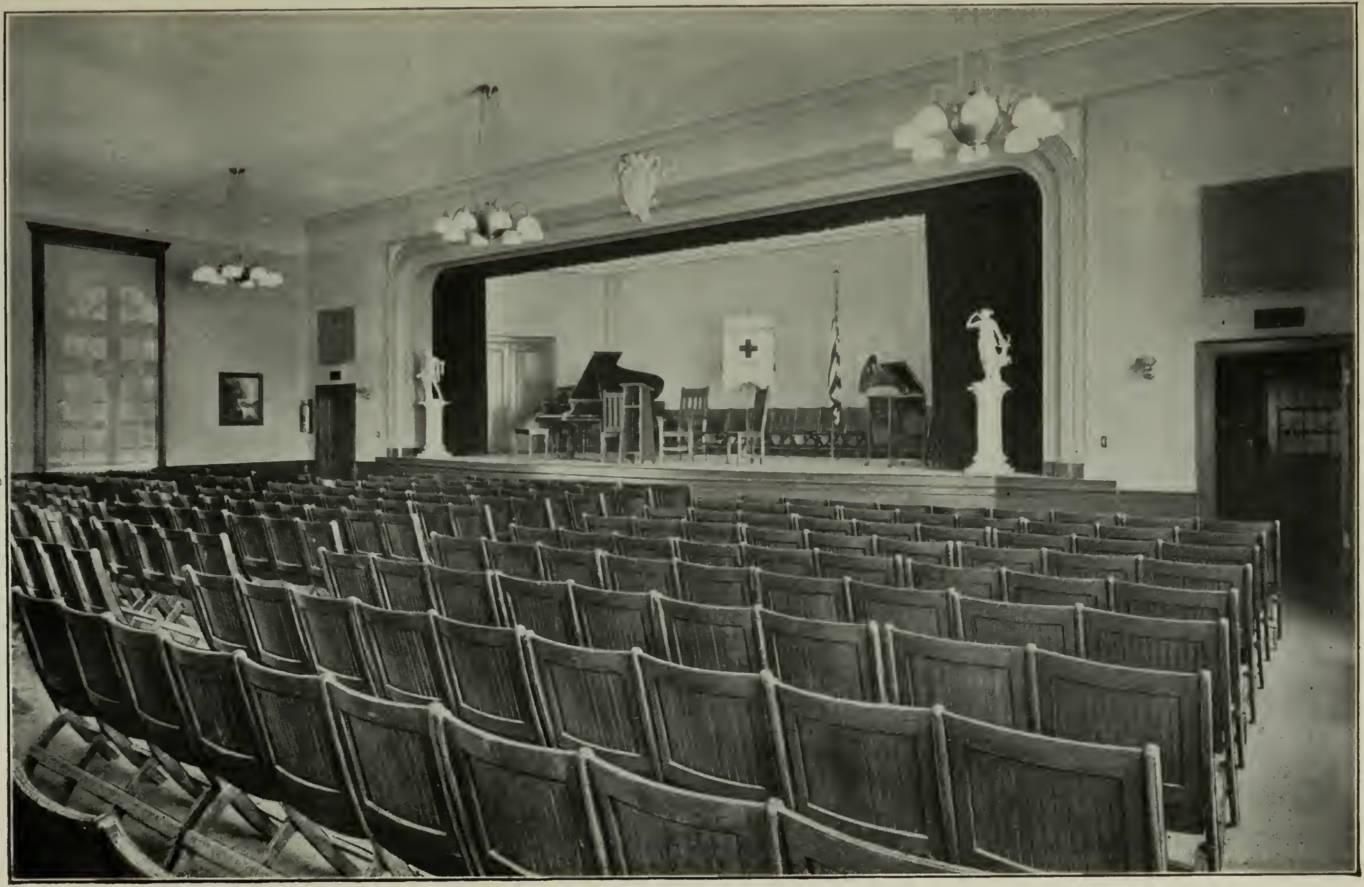
APPROPRIATION FOR REPAIR AND ALTERATION WORK, FOR FURNISHING AND REPLACING FURNITURE AND EQUIPMENT IN OLD BUILDINGS, REPAIRS TO FURNITURE, EQUIPMENT, ETC., AND EXPENSES OF THE COMMISSION.

I.

GENERAL STATEMENT.

During the year February 1, 1919, to February 1, 1920, the following sums were expended by the Schoolhouse Department for repair and alteration work, for furnishing and replacing furniture and equipment in old buildings, repairs to furniture, equipment, etc., and expenses of the commission:

February 1, 1919, appropriation		$532,128 63
Repairs and Equipment.		
Carpentry:		
Repairs	$49,210 45	
Alterations	7,763 07	
New floors	1,100 18	
Hardware	579 66	
Furniture and Equipment:		
New furniture	50,845 74	
Furniture repairs	25,384 89	
New curtains	2,143 00	
Curtain repairs	6,374 50	
New clocks	—	
Clock repairs	1,569 95	
Electric clock installation	3,660 96	
Electric clock maintenance	1,910 74	
Industrial apparatus installation	4,964 38	
Industrial apparatus maintenance	463 07	
Manual training and prevocational apparatus installation,	3,585 95	
Manual training and prevocational apparatus maintenance	508 31	
Carried forward	$160,064 85	



ROBERT GOULD SHAW SCHOOL — ASSEMBLY HALL.

Blackall, Clapp & Whittemore, Architects.

Brought forward	$160,064	85
Reflectoscope installation	48	13
Reflectoscope maintenance	114	66
Vacuum cleaning installation	—	
Vacuum cleaning maintenance,	154	74
Rubber treads and matting	1,967	77
Gymnasium apparatus	—	
Blackboards:		
New	547	60
Repairs	7,234	84
Plumbing:		
Repairs	46,470	22
Roofing:		
Repairs	17,253	65
Painting:		
Painting	30,474	78
Glazing	13,771	84
Heating:		
Repairs	81,473	83
Ventilation	241	61
Care of Grounds:		
Gypsy moths	642	00
Planting	201	10
Masonry:		
Repairs	21,419	16
Asphalt and concrete	27	00
Catch-basins	5,282	04
Grading	178	25
Paving	11,165	57
Plastering	3,207	73
Waterproofing	90	00
Locks and Bells:		
Bells and telephone installation	2,649	93
Bells and telephone maintenance	2,700	76
Locksmithing	5,546	12
Gas and Electrical:		
Electric light installation	16,844	00
Electric light maintenance	2,852	39
Gas appliance installation	1,217	83
Gas appliance maintenance	1,004	71
Carried forward	$434,847	11

Brought forward	$434,847 11
Fire Protection:	
Fire alarm installation	2,443 59
Fire alarm maintenance	1,214 34
Fire escapes (new)	1,155 00
Fire escapes (repairs)	2,147 29
Fire extinguishers	377 60
Fire protection	2,432 00
Miscellaneous:	
Care and cleaning	395 20
Flagstaffs	1,393 76
Iron and wire work	6,016 43
Janitors' supplies	772 38
Motors and engines	2,527 60
Teaming	2,211 17

Administration Expenses.

Salaries, commissioners and clerks,	13,218 86	
Salaries, inspectors	35,556 78	
Advertising	93 50	
Automobile expenses	5,212 33	
Boiler insurance	32 87	
Car fares, traveling expenses	1,827 67	
Electric lighting of offices	—	
Expert services	—	
Furniture	1,085 29	
Postage	290 00	
Printing	1,110 14	
Stationery	595 91	
Storehouses	1,115 38	
Subscription	30 50	
Sundries	26 00	
Telephone	65 92	
Teaming	—	
Total repairs and administration expenses		$518,194 62
Balance returned to School Committee		$13,934 01

II.

SUBDIVISION OF EXPENDITURES.

Elementary schools	$317,186 70
Administration and general expenses	115,353 46
High schools and Normal School	62,353 14
Special schools	19,043 04
School Committee quarters	4,258 28
	$518,194 62

APPENDIX III.

HIRED BUILDINGS.

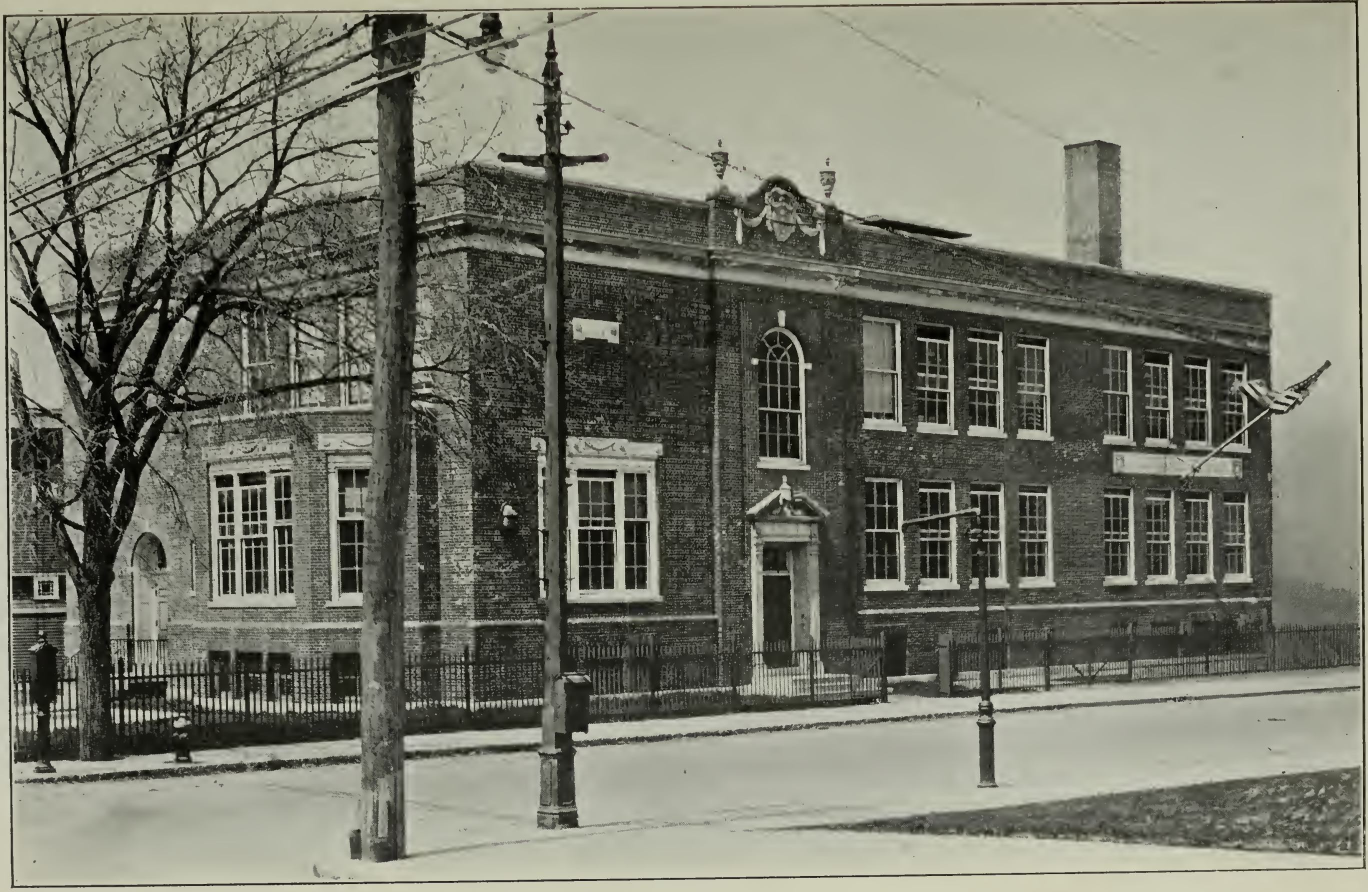
I.

Rooms in the following buildings have been hired for school purposes; rents, taxes, water rates, heating, lighting and janitors' expenses paid for the same, amounting to $42,161.67, during the year from February 1, 1919, to February 1, 1920.

For	Location.	Remarks.
Compulsory Continuation School,	La Grange street, 25.......	Rent per annum, $4,000, city to furnish heat, light and water and pay taxes.
Compulsory Continuation School,	Tremont street, 278B......	Rent per annum $1,020, including heat.
Day School for Immigrants......	Young Men's Christian Union Building, 48 Boylston street.	Rent per annum $750, including heat, light and janitor's service.
English High School............	Franklin Union, Berkeley and Appleton streets.	Rent per annum $7,208, including heat and janitor's service.
English High School............	Tremont Temple, Tremont street.	Used for graduation exercises. Rent for same $200.
Eliot District, two special classes,	Hull street, 24............	Rent per annum $420, city to furnish heat and janitor's service.
Eliot District, special classes.....	North Bennet street, 39....	Rent per annum $2,210, including heat, light, janitor and water.
Eliot District Continuation School.	Tileston street, 52.........	Rent per annum $1,080, including heat, light and janitor's service.
Francis Parkman District........	Upham Memorial Church, Forest Hills.	Rent per annum $780, including heat and janitor's service.
Franklin District, Cooking Room,	Hanson street, 1...........	Rent per annum $744, including heat and janitor's service.
George Putnam District, Kindergarten.	Walnut avenue...........	Rent per annum $1,140, including heat and janitor's service.
Girls' High School..............	Tremont Temple, Tremont street.	Used for graduation exercises. Rent for same $200.

HIRED BUILDINGS.— *Concluded.*

For	Location.	Remarks.
Hancock District	Moon street	Rent per annum $12,480, including heat and janitor's service.
Hyde Park High School	Young Men's Christian Association Gymnasium.	Rent per annum $800; includes all expenses.
Hyde Park High School	Everett Square Theater	Used for graduation exercises. Rent for same, $20.
John A. Andrew District	Barham Memorial Church, corner Dorchester and Vinton streets, South Boston.	Rent per annum $600; including heat and janitor's service.
Longfellow District	Unitarian Church of Roslindale, South street.	Rent per annum $840, including heat, light and janitor's service.
Manual Training School	Eliot street, Jamaica Plain	Rent per annum $800, including heat and janitor's service.
Oliver Wendell Holmes District	Bowdoin and Claybourne streets.	Rent per annum $360, city to furnish heat.
Roger Wolcott District, Primary Class.	Glenway and Harvard streets.	Rent per annum $600, city to furnish janitor's service, etc.
Roger Wolcott District, Kindergarten.	Harvard street, 111	Rent per annum $780; includes all expenses.
Roger Wolcott District, Primary Classes.	Harvard street, 143–145	Rent per annum $600, city to furnish janitor's service, etc.
Roger Wolcott District	Willowwood street, 3, Harvey Hall.	Rent per annum $1,500; includes all expenses.
School Committee	Tremont street, 218	Rent per annum $5,208, including heat, light and water service.
Thomas Gardner District	Franklin street, 149	Rent per annum $240.
Ulysses S. Grant District, Special Class.	Saratoga street, 66	Rent per annum $600, city to furnish janitor's service, heat, light and water.



PAULINE AGASSIZ SHAW SCHOOL.

James E. McLaughlin, Architect.

APPENDIX IV.

Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil.

Note.— Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. P = Lower Elementary. G = Upper Elementary. H = High. S = Special. Cubical contents is figured according to rule of National Association of School Accounting and Business Officials of Public Schools.

Name of School Building.	Date of Completion.	Number of Class rooms.	Grade.	Class of Construction.	Building, Heating, Plumbing, and Electrical Contracts.	Total Cost of Building.	Percentage Contracts Bear to Total Cost of Building.				Cubical Contents.	Cost per Cubic Foot.	Proportion Contracts Bear to Cost per Cubic Foot.				Cubic Feet, Class-room.	Children Accommodated.	Cost per Pupil.
							Bldg.	Heat.	Plumb.	Elec.			Bldg.	Heat.	Plumb.	Elec.			
							Per Ct.	Per Ct.	Per Ct.	Per Ct.		Cents.	Cents.	Cents.	Cents.	Cents.			
Marshall................	1903	15	P.	1st	B., $106,516 75 H., 9,483 00 P., 5,197 00 E., 3,270 90	$124,467 65	85.6	7.6	4.2	2.6	516,624	24.4	20.9	1.9	1	.6	37,000	758	$164 20
William E. Russell.......	1903	18	G.	1st	B., $158,189 52 H., 15,132 40 P., 9,580 29 E., 5,622 35	188,524 56	83.9	8	5.1	3	900,215	20.9	17.5	1.7	1.1	.6	50,000	976	192 14
Farragut................	1904	14	P.	1st	B., $127,262 98 H., 12,432 00 P., 6,821 45 E., 4,010 00	150,526 43	84.5	8.3	4.5	2.7	611,913	24.6	20.8	2	1.1	.6	47,000	714	210 82
Paul Jones..............	1904	11	P.	1st	B., $95,095 75 H., 10,376 00 P., 5,324 00 E., 3,574 60	114,370 35	83.1	9.1	4.7	3.1	457,011	25	20.7	2.3	1.2	.8	36,000	643	177 87
Ellis Mendell............	1904	12	P.	1st	B., $103,569 20 H., 9,625 04 P., 5,658 11 E., 3,414 85	122,267 20	84.7	7.9	4.6	2.8	529,994	23.1	19.6	1.8	1.1	.6	43,000	612	199 78
Jefferson................	1904	19	G.	1st	B., $182,261 94 H., 16,927 15 P., 6,449 90 E., 5,251 50	210,890 49	86.4	8	3.1	2.5	839,446	25.1	21.7	2	.8	.6	45,000	1,038	203 17

Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil.— *Continued.*

NOTE.— Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. P = Lower Elementary. G = Upper Elementary H = High. S = Special.

NAME OF SCHOOL BUILDING.	Date of Completion.	Number of Class-rooms.	Grade.	Class of Construction.	Building, Heating, Plumbing and Electrical Contracts.	Total Cost of Building.	PERCENTAGE CONTRACTS BEAR TO TOTAL COST OF BUILDING.				Cubical Contents.	Cost per Cubic Foot.	PROPORTION CONTRACTS BEAR TO COST PER CUBIC FOOT.				Cubic Feet, Class-room.	Children Accommodated.	Cost per Pupil.
							Bldg.	Heat.	Plumb.	Elec.			Bldg.	Heat.	Plumb.	Elec.			
							Per Ct.	Per Ct.	Per Ct.	Per Ct.		Cents.	Cents.	Cents.	Cents.	Cents.			
Washington	1904	30	G.	1st	B., $263,661 16 H., 28,305 94 P., 21,417 05 E., 12,157 45	$325,541 60	81	8.7	6.6	3.7	1,173,323	27.7	22.4	2.5	1.8	1	43,000	1,560	$208 68
Christopher Columbus	1904	24	P.	1st	B., $136,966 08 H., 16,244 00 P., 15,519 00 E., 4,783 00	173,512 08	78.9	9.4	9	2.7	747,519	23.2	18.3	2.2	2.1	.6	30,000	1,100	156 32
John Boyle O'Reilly	1904	14	P.	1st	B., $95,712 50 H., 10,227 00 P., 4,040 00 E., 2,859 50	112,839 00	84.8	9.1	3.6	2.5	442,652	25.5	21.6	2.3	.9	.7	32,000	672	167 91
Oliver Hazard Perry	1904	14	G.	1st	B., $118,497 38 H., 17,621 50 P., 5,094 00 E., 4,932 75	146,145 63	81.1	12.1	3.5	3.3	596,672	24.5	19.9	3	.8	.8	44,000	770	189 80
Mather	1905	30	G.	1st	B., $241,098 44 H., 27,807 00 P., 11,645 50 E., 8,782 05	289,332 99	83.4	9.6	4	3	1,267,043	22.8	19	2.2	.9	.7	42,000	1,650	175 36
Thomas Gardner	1905	14	G.	1st	B., $113,769 15 H., 15,994 04 P., 6,038 00 E., 4,466 38	140,267 57	81.1	11.4	4.3	3.2	737,714	19	15.5	2.1	.8	.6	52,000	770	182 17

Oliver Wendell Holmes...	1905	24	G.	1st	B., $159,563 85 H., 21,930 18 P., 8,037 00 E., 6,116 99	195,648 02	81.6	11.2	4.1	3.1	975,429	20	16.4	2.2	.8	.6	41,000	1,224	159 84
Samuel W. Mason.......	1905	14	P.	1st	B., $99,527 64 H., 10,447 00 P., 4,990 00 E., 3,360 00	118,324 64	84.1	8.8	4.2	2.9	444,449	26.6	22.4	2.3	1.1	.8	31,000	644	183 73
Dearborn..............	1905	21	G.	1st	B., $182,240 82 H., 20,874 00 P., 8,929 50 E., 5,087 00	217,131 32	84	9.6	4.1	2.3	980,948	22.1	18.6	2.1	.9	.5	47,000	1,100	195 61
John Greenleaf Whittier..	1905	10	P.	1st	B., $61,053 55 H., 7,540 70 P., 3,551 00 E., 2,590 90	74,736 15	81.7	10.1	4.8	3.4	305,598	24.4	19.9	2.5	1.2	.8	32,000	478	156 35
James Otis.............	1905	12	P.	1st	B., $90,867 00 H., 8,767 00 P., 4,889 00 E., 3,295 00	107,818 00	84.3	8.1	4.5	3.1	407,184	26.5	22.4	2.1	1.2	.8	34,000	612	174 54
Joseph Tuckerman.......	1905	10	P.	1st	B., 61,875 79 H., 8,422 00 P., 4,226 70 E., 2,898 76	77,423 25	79.9	10.9	5.5	3.7	317,733	24.4	19.5	2.7	1.3	.9	33,000	480	161 30
Sarah J. Baker..........	1905	24	P.	1st	B., $130,016 23 H., 18,673 00 P., 7,625 00 E., 4,880 00	161,194 23	80.7	11.6	4.7	3	674,872	23.9	19.3	2.8	1.1	.7	29,000	1,152	139 92
William E. Endicott.....	1906	10	P.	1st	B., $64,745 25 H., 7,951 00 P., 3,667 91 E., 2,693 61	79,057 77	81.9	10.1	4.6	3.4	334,404	23.6	19.3	2.4	1.1	.8	35,000	476	166 09
Nathaniel Hawthorne....	1906	9	P.	1st	B., $54,682 82 H., 7,518 00 P., 3,100 00 E., 2,611 25	67,912 07	80.5	11.1	4.6	3.8	276,739	24.5	19.7	2.7	1.1	1	31,000	447	151 93

Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil.— *Continued.*

NOTE.— Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. P = Lower Elementary. G = Upper Elementary. H = High. S = Special.

NAME OF SCHOOL BUILDING.	Date of Completion.	Number of Class-rooms.	Grade.	Class of Construction.	Building, Heating, Plumbing and Electrical Contracts.	Total Cost of Building.	PERCENTAGE CONTRACTS BEAR TO TOTAL COST OF BUILDING.				Cubical Contents.	Cost per Cubic Foot.	PROPORTION CONTRACTS BEAR TO COST PER CUBIC FOOT.				Cubic Feet Class-room.	Children Accommodated.	Cost per Pupil.
							Bldg.	Heat.	Plumb.	Elec.			Bldg.	Heat.	Plumb.	Elec.			
							Per Ct.	Per Ct.	Per Ct.	Per Ct.		Cents.	Cents.	Cents.	Cents.	Cents.			
Charlestown High	1907	....	H.	1st	B., $253,157 94 H., 18,711 25 P., 13,970 00 E., 10,216 00	$296,055 19	85.5	6.3	4.7	3.5	1,098,693	27	23.1	1.7	1.3	.9	......	540	$548 25
NORMAL AND LATIN GROUP.																			
Common Building	1907	....	H.	1st															
Normal School *	1907	....	H.	1st	B., $256,226 12 H., 23,426 41 P., 12,144 73 E., 11,739 48	303,536 74	84.4	7.7	4	3.9	1,106,964	27.4	23.1	2.1	1.1	1.1	......	350	867 25
Girls' Latin *	1907	....	H.	1st	B., $254,870 43 H., 23,302 47 P., 12,080 47 E., 11,677 37	301,930 74	84.4	7.7	4	3.9	1,103,502	27.4	23.1	2.1	1.1	1.1	......	600	503 22
Patrick A. Collins *	1907	17	G.	1st.	B., $166,750 33 H., 15,245 76 P., 7,903 71 E., 7,639 98	197,539 78	84.4	7.7	4	3.9	721,037	27.4	23.1	2.1	1.1	1.1	43,000	904	218 52
Edward Everett	1909	14	G.	1st	B., $82,868 43 H., 15,542 00 P., 4,665 00 E., 4,440 00	107,515 43	77.1	14.5	4.3	4.1	511,633	21	16.2	3	.9	.9	32,000	614	175 17

Nathan Hale †	1909	12	P.	1st	B., $54,599 35 H., 6,682 00 P., 3,397 47 E., 2,553 00	67,231 82	81.2	10	5	3.8	329,683	20.4	16.6	2	1	.8	28,000	480	140 08
John Cheverus	1909	16	G.	1st	B., $80,268 04 H., 11,975 00 P., 5,040 31 E., 4,793 00	102,076 35	78.6	11.7	5	4.7	528,581	19.3	15.2	2.2	1	.9	30,000	704	145 89
Peter Faneuil	1910	17	P.	1st	B., $91,333 05 H., 7,977 00 P., 4,485 95 E., 4,283 50	108,079 50	84.5	7.4	4.2	3.9	427,952	25.2	21.3	1.9	1	1	24,000	760	142 21
Dorchester High Addition,	1910	....	H.	1st	B., $110,996 60 H., 12,933 00 P., 6,170 37 E., 4,762 68	134,862 65	82.3	9.6	4.6	3.5	543,029	24.8	20.4	2.4	1.1	.9	......	700	192 62
William Lloyd Garrison	1910	10	G.	1st	B., $51,950 30 H., 6,688 00 P., 3,823 18 E., 3,690 00	66,151 48	78.5	10.1	5.8	5.6	262,410	25.2	19.8	2.5	1.5	1.4	27,564	460	143 81
Girls' High Addition	1910	....	H.	1st	B., $97,396 70 H., 9,716 50 P., 3,274 39 E., 4,075 00	114,462 59	85.1	8.5	2.9	3.5	518,053	22.1	18.8	1.9	.6	.8	......	400	286 16
Samuel Adams	1910	16	G.	1st	B., $84,553 84 H., 11,701 50 P., 5,668 00 E., 5,595 00	107,518 34	78.6	10.9	5.3	5.2	474,887	22.6	17.8	2.4	1.2	1.2	34,358	632	170 12
Abraham Lincoln	1911	40	G.	1st	B., $229,396 85 H., 24,097 58 P., 15,381 00 E., 11,213 00	280,088 43	81.9	8.6	5.5	4	1,149,645	24.4	20	2.1	1.3	1	28,963	1,820	153 89
Lafayette	1911	8	P.	1st	B., $51,564 96 H., 5,321 34 P., 3,544 84 E., 2,703 50	63,134 64	81.7	8.4	5.6	4.3	217,382	29.0	23.7	2.4	1.6	1.3	27,534	352	179 36

* Common Building is used in common by the Normal, Girls' Latin and Patrick A. Collins Buildings and cost of same is apportioned proportionately.

† Roof second class.

Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil.— *Continued.*

Note.— Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. P = Lower Elementary. G = Upper Elementary. H = High. S = Special.

Name of School Building.	Date of Completion.	Number of Class-rooms.	Grade.	Class of Construction.	Building, Heating, Plumbing and Electrical Contracts.	Total Cost of Building.	Percentage Contracts Bear to Total Cost of Building.				Cubical Contents.	Cost per Cubic Foot.	Proportion Contracts Bear to Cost per Cubic Foot.				Cubic Feet, Class-room.	Children Accommodated.	Cost per Pupil.
							Bldg.	Heat.	Plumb.	Elec.			Bldg.	Heat.	Plumb.	Elec.			
							Per Ct.	Per Ct.	Per Ct.	Per Ct.		Cents.	Cents.	Cents.	Cents.	Cents.			
John Lothrop Motley....	1911	4	P.	2d	B., $18,395 25 H., 2,310 00 P., 1,205 00 E., 600 00	$22,510 25	81.7	10.3	5.4	2.6	98,155	22.9	18.7	2.4	1.2	.6	24,861	172	$130 87
Charles Bulfinch.........	1911	12	P.	2d	B., $64,545 73 H., 6,980 00 P., 3,900 00 E., 3,500 00	78,925 73	81.8	8.8	5	4.4	361,263	21.8	17.8	1.9	1.1	1	30,447	538	146 59
John Winthrop..........	1911	16	G.	2d	B., $87,073 54 H., 13,500 00 P., 5,300 00 E., 4,800 00	110,673 54	78.7	12 2	4.8	4.3	593,557	18.6	14.6	2.3	.9	.8	37,565	724	152 83
Edmund P. Tileston.....	1911	16	G.	2d	B., $106,492 55 H., 13,189 50 P., 6,543 50 E., 5,952 55	132,178 10	80.6	10	4.9	4.5	679,514	19.4	15.6	2	1	.8	42,785	724	182 57
George T. Angell........	1912	8	P.	2d	B., $45,153 50 H., 5,000 00 P. 2,900 00 E., 2,101 00	55,154 50	81.9	9.1	5.2	3.8	206,259	26.1	21.4	2.4	1.3	1	26,095	352	156 69
Ulysses S. Grant.........	1912	18	G.	2d	B., $92,797 91 H., 13,722 05 P. 5,451 13 E., 4,538 00	116,509 09	79.6	11.8	4.7	3.9	586,270	19.8	15.8	2.3	.9	.8	32,898	822	141 74

Lewis....	1912	17	G.	2d	B., 85,416 29 H., 12,600 00 P., 4,600 00 E. 5,474 00	108,090 29	79	11.7	4.2	5.1	634,628	17	13.4	2	.7	.9	37,775	778	138 93
Benedict Fenwick........	1912	12	P.	2d	B., $49,356 45 H., 8,150 00 P., 3,331 00 E., 2,044 00	62,881 45	78.5	13	5.3	3.2	318,492	19.7	15.5	2.6	1	.6	26,869	547	114 96
William Bradford........	1912	8	P.	2d	B., $32,638 04 H., 5,987 00 P., 2,700 00 E., 1,389 00	42,714 04	76.4	14	6.3	3.3	246,887	17	13.2	2.4	1.1	.6	31,375	372	114.82
Roxbury High Annex....	1912	....	H.	2d	B., $60,354 12 H., 8,864 24 P., 4,940 80 E., 5,498 79	79,657 95	75.8	11.1	6.2	6.9	396,221	20.1	15.3	2.2	1.3	1.3	......	200	398 29
Ellen H. Richards.......	1913	8	P.	2d	B., $33,460 15 H., 6,600 00 P. 3,384 50 E., 1,145 11	44,589 76	75	14.8	7.6	2.6	225,437	19.8	14.9	2.9	1.5	.5	28,637	366	121 83
Mozart................	1913	4	P	2d	B., $17,690 00 H., 2,870 00 P., 1,816 00 E., 515 00	22,891 00	77.3	12 6	7.9	2.2	107,228	21.4	16.5	2.7	1.7	.5	27,133	148	154 67
Martha A. Baker........	1913	4	P.	2d	B., $19,474 91 H., 2,828 00 P., 1,853 00 E. 402 00	24,557 91	79.3	11.5	7.5	1.7	125,523	19.6	15.5	2.3	1.5	.3	31,912	160	153 49
John J. Williams........	1913	12	P.	2d	B., $53,538 44 H., 8,500 00 P., 4,100 00 E., 3,000 00	69,138 44	77.5	12.3	5.9	4.3	300,474	23	17.8	2.8	1.4	1	25,276	495	139 67
John D. Philbrick *......	1913	8	P.	2d	B., $43,822 25 H., 8,000 00 P., 4,020 90 E., 3,820 60	59,663 75	73.4	13.4	6.7	6.5	300,923	19.8	14.5	2.7	1.3	1.3	38,151	333	179 17

*Contains Assembly Hall.

Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil.— Continued.

NOTE.— Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. P = Lower Elementary. G = Upper Elementary. H = High. S = Special.

NAME OF SCHOOL BUILDING.	Date of Completion.	Number of Class-rooms.	Grade.	Class of Construction.	Building, Heating, Plumbing, and Electrical. Contracts.	Total Cost of Building.	Percentage Contracts Bear to Total Cost of Building: Bldg.	Heat.	Plumb.	Elec.	Cubical Contents.	Cost per Cubic Foot.	Proportion Contracts Bear to Cost per Cubic Foot: Bldg.	Heat.	Plumb.	Elec.	Cubic Feet, Class-room.	Children Accommodated.	Cost per Pupil.
							Per Ct.	Per Ct.	Per Ct.	Per Ct.		Cents.	Cents.	Cents.	Cents.	Cents.			
High School of Practical Arts	1913	....	H.	1st	B., $240,190 20 H., 23,390 00 P., 14,923 69 E., 22,346 78	$300,850 67	79.8	7.8	5	7.4	1,212,391	21.8	19.8	1.9	1.3	1.8	......	1,000	$300 85
Philip H. Sheridan	1914	12	P.	2d	B., $55,541 00 H., 9,617 94 P., 4,823 00 E., 4,230 00	74,211 94	74 8	13	6.5	5.7	334,774	22 2	16.6	2.9	1.4	1.3	28,236	495	149 92
Florence Nightingale	1914	10	P.	2d	B., $45,929 14 H., 8,100 00 P., 3,500 00 E., 2,836 00	60,365 14	76.1	13 4	5.8	4.7	256,715	23.1	17.6	3.1	1.3	1	27,230	391	154 39
Mary Lyon	1914	6	G.	2d	B., $26,917 31 H., 5,254 00 P., 2,322 00 E., 2,853 31	37,346 62	72.1	14.1	6.2	7.6	186,097	20	14.4	2.8	1.3	1.5	31,570	224	166 73
George Frisbie Hoar	1914	12	P.	2d	B., $53,509 91 H., 8,985 00 P., 4,045 00 E., 2,591 43	69,131 34	77.4	13	5.9	3 7	302,503	22.8	17.7	3	1.3	.8	25,434	519	133 20
Quincy E. Dickerman	1915	16	P.	2d	B., $70,934 91 H., 10,300 00 P., 4,450 00 E., 2,773 88	88,458 79	80.2	11.7	5	3 1	384,789	23	18.4	2.7	1.2	.7	24,648	677	130 66

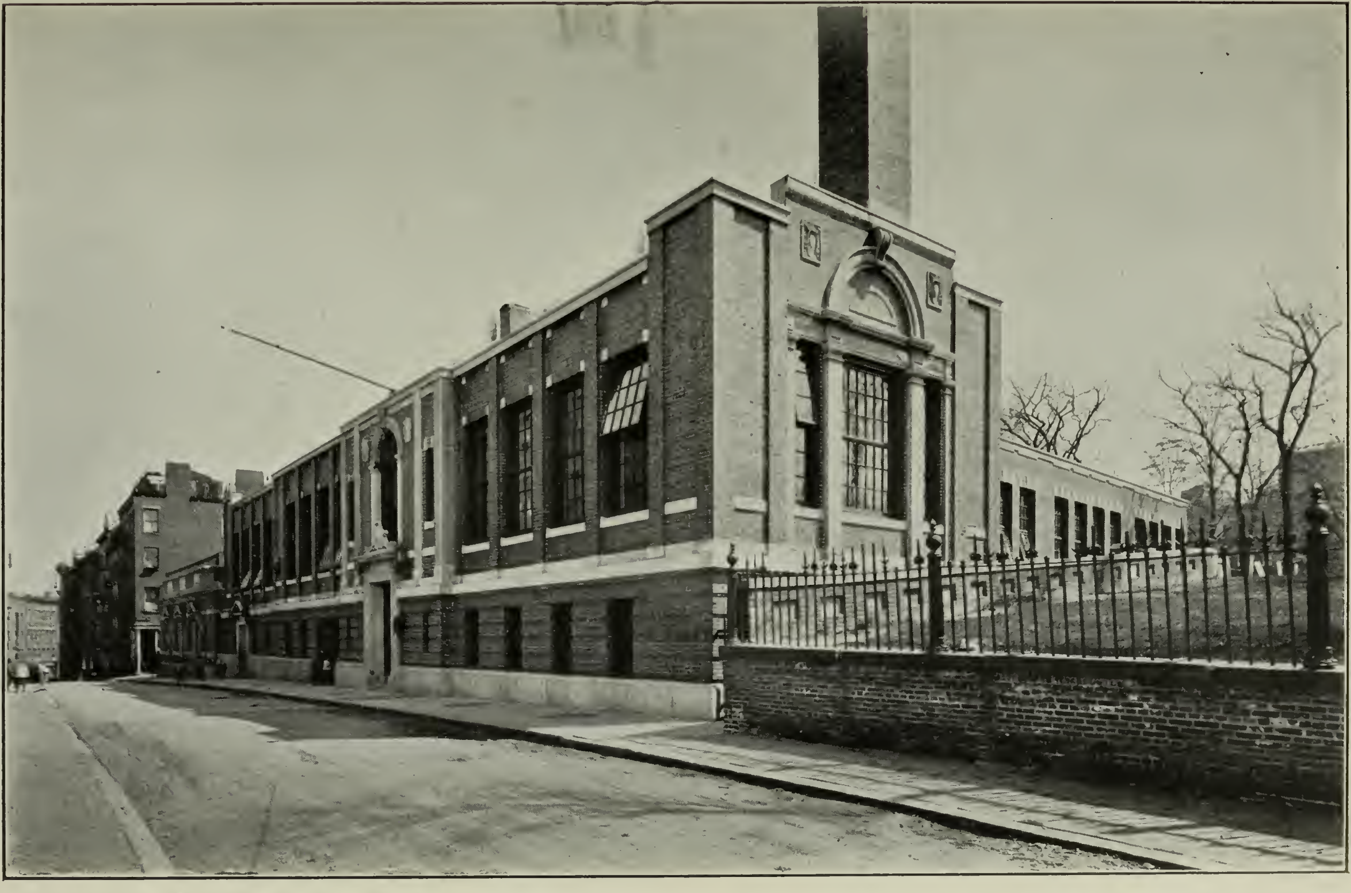
High School of Commerce,	1915	....	H.	1st	B., $399,427 49 H. 35,896 65 P., 21,532 00 E., 23,616 30	480,472 44	83.1	7.5	4.5	4.9	1,971,619	21.4	20.3	1.8	1.1	1.2	......	1,600	300 30
William Blackstone......	1916	24	G.	1st	B , $139,954 75 H., 17,505 00 P., 8,276 50 E , 6,746 59	172,482 84	80.9	10.3	4.8	4	720,840	23.9	19.4	2.4	1.1	1	30,035	1,056	163 34
James Otis Addition.....	1917	6	P.	1st	B., $14,800 56 H., 4,800 00 P., 575 00 E., 2,300 00	52,475 56	85.4	9.1	1.1	4.4	151,691	34.6	29.5	3.2	.4	1.5	25,282	264	189 77
Boston Trade School.....	1917	....	S.	1st	B., $229,590 59 H., 22,768 45 P., 9,700 70 E., 23,371 90	285,431 64	80.4	8	3.4	8.2	1,224,524	23.3	18.7	1.9	.8	1.9			
High School of Practical Arts Addition.	1917	....	H.	1st	B. $48,706 03 H., 5,900 00 P., 2,224 00 E., 1,758 00	58,588 03	83.1	10.1	3.8	3	167,445	35	29.1	3.5	1.3	1.1			
Emily A. Fifield.........	1918	16	P.	1st	B., $131,475 38 H. 14,500 00 P., 9,000 00 E., 10,305 00	165,280 38	79.5	8.8	5.5	6.2	437,871	37.7	30	3.3	2.1	2.3	27,367	704	234 77
Rochambeau............	1918	17	P.	....	B., $113,520 87 H., 14,095 00 P., 7,435 00 E., 8,276 06	143,326 93	79.2	9.8	5.2	5.8	431,524	33.2	26.3	3.3	1.7	1.9	25,384	764	187 60
Hyde Park High Addition.	1920	....	H.	1st	B., $103,153 84 H., 10,086 50 P., 3,000 00 E., 6,868 18	123,108 52	83.8	8.2	2.4	5.6	322,464	38.2	32.0	3.1	.9	2.2			
Robert Gould Shaw......	1919	16	G.	1st	B., $145,179 88 H., 18,135 24 P., 9,500 00 E., 9,464 38	182,279 50	79.6	10	5.2	5.2	549,105	33.2	26.5	3.3	1.7	1.7	34,319	704	258 92

Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil.— *Concluded.*

NOTE.— Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. P = Lower Elementary. G = Upper Elementary. H = High. S = Special.

NAME OF SCHOOL BUILDING.	Date of Completion.	Number of Class-rooms.	Grade.	Class of Construction.	Building, Heating, Plumbing and Electrical Contracts.	Total Cost of Building.	Percentage Contracts Bear to Total Cost of Building.				Cubical Contents.	Cost per Cubic Foot.	Proportion Contracts Bear to Cost per Cubic Foot.				Cubic Feet Class-room.	Children Accommodated.	Cost per Pupil.
							Bldg.	Heat	Plumb.	Elec.			Bldg.	Heat.	Plumb.	Elec.			
							Per Ct.	Per Ct.	Per Ct.	Per Ct.		Cents.	Cents	Cents.	Cents.	Cents.			
Pauline Agassiz Shaw....	1919	19	P.	1st	B., $75,003 82 H., 13,500 00 P., 6,315 00 E., 6,580 00	$101,398 82	74	13.3	6.2	6.5	280,670	36.1	26.7	4.8	2.2	2.4	31,186	412	$246 11
Sarah Greenwood........	1919	25	G.	1st	B., $218,920 15 H., 28,794 00 P., 13,300 00 E., 14,360 27	275,374 42	79.5	10.5	4.8	5.2	841,252	32.7	26	3.4	1.6	1.7	33,650	1,116	246 75
William Lloyd Garrison Addition.	1918	8	P.	1st	B., $77,252 73 H., 7,983 00 P., 4,500 00 E., 4,300 00	94,035 73	82.2	8.5	4.8	4.5	201,468	46.6	38.3	4	2.2	2.1	25,183	352	267 15
Michael Angelo †........	1919	8	P.	1st	B., $128,495 32 H., 23,870 00 P., 11,400 00 E. 9,148 75	172,914 07	74.3	13.8	6.6	5.3	343,830	50.3	37.4	6.9	3.3	2.7	42,979	284	608 85
Audubon *...............	1919	9	P.	1st	B., $101,244 78 H., 16,280 00 P., 8,700 00 E., 7,775 00	133,999 78	75.5	12.1	6.5	5.9	300,451	44.6	33.7	5.4	2.9	2.6	33,383	412	325 24
Dearborn District * ‡ ...	......	8	P.	1st	B., $129,395 61 H., 16,018 00 P., 7,250 00 E., 8,051 37	160,714 98	80.5	10	4.5	5	309,687	51.9	41.8	5.2	2.3	2.6	38,711	352	456 58
Pauline Agassiz Shaw Addition *..............	......	8	P.	1st	B., $ 83,074 00 H., 6,140 00 P., 4,900 00 E., 2,933 00	97,047 00	85.6	6.3	5.1	3	180,678	53.7	46	3.4	2.7	1.6	22,585	352	275 70
John Cheverus District *.	......	9	P.	1st	B., $110,800 00 H., 13,687 00 P., 6,198 00 E., 4,265 00	134,950 00	82.1	10.1	4.6	3.2	220,725	61.1	50.2	6.2	2.8	1.9	24,525	412	327 55

*Cost to February 1, 1920. † Contains Assembly Hall and Special Class-rooms. ‡ Contains four shops.



MICHAEL ANGELO SCHOOL.

JOSEPH MCGINNIS, Architect.

APPENDIX V.

INSTRUCTIONS TO ARCHITECTS.

ARCHITECTS' SERVICES.

Every Architect employed by the Schoolhouse Commissioners of the City of Boston, as the architect for erecting a building, is to perform the duties hereinafter provided.

This Agreement, made day of in the year one thousand nine hundred and by the City of Boston, acting through the Board of Schoolhouse Commissioners, party of the first part, and party of the second part, hereinafter designated the Architect.

Witnesseth, That the Architect, in consideration of the agreements herein made by the City, agrees with the said City as follows:

SECTION 1.— *The Board.*— (*a.*) Is to furnish the Architect with the requirements and information for the design and construction of the building for which he is the Architect, and give the approximate cubical contents and proposed cost per cubic foot thereof:

(*b.*) Is to provide the services of domestic engineers to confer with the Architect during the preparation of preliminary studies, and when these are accepted by the Board to advise the Architect in the details of their work and make the necessary working drawings and specifications for (excepting plumbing), and have the direction of, the plumbing, heating, ventilating and electric work for the building, said work being hereinafter designated as the domestic engineering.

(*c.*) Is to give the grade and lines of streets and adjoining lots;

(*d.*) Is to give all information regarding the lot, and on request of the Architect, or of any person doing work on the building, furnish him full information relating to the above, the sewer, water, gas and electric service, and to the rights, restrictions and boundaries of the lot on which the building is to be constructed.

SECT. 2.— *The Architect.*— (*a.*) Is to consult and advise with the Board and make such preliminary studies as will acquaint the Board with the contemplated arrangement, design, construction and cubical contents of the building, and enable it to agree with the Architect upon a definite limit of cost therefor, and to accept said preliminary studies as the basis of working drawings and specifications; he shall submit the preliminary studies to the Board not later than fifteen (15) days after the receipt by him of the plan of the site on which the building is to be erected;

(*b.*) Is to make upon the basis of said preliminary studies one complete set of working drawings in ink on tracing cloth, floor and framing plans, sections and elevations at a scale of one-eighth of an inch to the foot, plumbing drawings and such detail drawings on a larger scale as are necessary to explain the specifications; he shall submit the complete, finished drawings and specifications not later than ninety (90) days after the acceptance of the preliminary study by the Board;

(*c.*) Is to furnish one complete typewritten set of specifications for everything, including plumbing, to be furnished or done in constructing the building, except the domestic engineering, and is to revise and correct the printer's proofs.

(*d.*) Is to cause the drawings and specifications furnished by him to conform to all regulations of law and public authorities, and to be in accordance with established methods of building construction, faithfully carry out all the foregoing provisions, use all proper knowledge, skill and care therein, and be accountable in damages for any failure so to do.

(*e.*) Is to loan to the Board, to make blueprints therefrom, the said set of working drawings;

(*f.*) Is to restudy, and if necessary redraw, without charge, any or all of said drawings and specifications, if the lowest bid for doing the work in accordance therewith overruns the limit of cost agreed upon by the Architect and the Board;

(*g.*) He shall have the certification of a Construction Engineer approved by the Board for the construction plans and details; shall make application for a building permit to the Building Department on a form signed by the chairman of the Board, and deliver to the Building Department two sets of such blueprints from the said set of working drawings as may be required by the Building Department (the Board furnishing specifications to the Building Department);

(*h.*) Is, upon the signing of the construction contract, to deliver to the Board, to remain their property, two sets of cloth blueprints taken from the said set of working drawings, a perspective drawing of the exterior of the building and such floor plans as the Board may request suitable for reproduction, and at the conclusion of the work a complete set of working drawings on tracing cloth, either the set previously referred to or a copy therefrom, which shall be corrected to agree with and embody all changes made during construction;

(*i.*) Is to have general supervision of the domestic engineering and be the Architect of all other work to be done under any written contract for the construction of the building, and render the full usual Architect's services and supervision for such other work; he shall personally visit the work at least twice in each week, and shall render a weekly report on the form furnished by the Board;

(*j.*) Is, in the form prescribed by the Board, to make all estimates and allowances for payments under any contract in which he is made the Architect of the work, and such estimates for the domestic engineering are to be accompanied by certificates of said Engineers as to their accuracy, subject to approval of the Board.

(*k.*) Is to advise with the Board on any changes in the building contemplated by the Board, and is to order changes when required by the Board so to do.

Sect. 3.—(*a.*) The City, as full compensation for the services aforesaid, is to pay the Architect 2⅖ per cent upon the cost of the domestic engineering, exclusive of plumbing, and 6 per cent upon the cost of all other work.

(*b.*) Payments to be made as follows: Three and three-fifths per cent upon all contracts other than those for domestic engineering is to be paid on the signing of such contracts, and thereafter 2⅖ per cent upon the value of the materials and labor, as itemized in each estimate for payment under the contract, is to be paid on the estimate approved. Final payment is not to be made until the work is completed and the building finally accepted and a final release given to the City for all claims of any nature under the contract by the Contractor or his subcontractors or their employees.

(*c.*) When preliminary studies are completed, the value of the Architect's services to date shall be reckoned one-sixth of the estimated total commission; when working drawings and specifications are ready for contract, if for any reason the signing of contracts is delayed, the value of his services to date shall be reckoned at 3⅗ per cent of cost based on allowance for building given by the Board to the Architect, exclusive of the estimated value of the work included under domestic engineering. If the Board discontinue the services of the Architect at any intermediate stage the value of his services shall be reckoned proportionately. Payment for any of these services shall be made at the discretion of the Board.

(*d.*) Five per cent on cost of domestic engineering, exclusive of plumbing, and 10 per cent on other work will be paid to the Architect on all changes and alterations made within or to existing buildings. Additions and extensions made outside of such buildings shall be regarded as new work and the commission shall be reckoned on that basis.

Sect. 4.— When for any reason other than those stated in section 2, paragraph (*f.*), page 32, the Board shall set aside the whole or any part of an Architect's studies, drawings and specifications while retaining him to prepare corresponding new studies, drawings and specification for the same school building, the city shall pay the Architect for the work thus set aside a sum not exceeding three times the actual cost of draughting and the new work shall be paid for on a commission basis, as stated in section 3, page 33. Payments for all work thus set aside under this section shall be made at the discretion of the Board.

Sect. 5.— In the above agreement the term "building" is used to define not only the structure itself but all work in connection with it committed to the Architect by the order of the Board, as fencing, grading, roads, walks, planting, decorative painting and sculptural decoration.

The Architect will further render all services of any kind mentioned in the contract executed for the construction of said school building and incidental to or necessary for the performance thereof, until the builder shall be released from all responsibility in respect thereof.

The Architect shall not order any variations or extras without the sanction of the Board of Schoolhouse Commissioners in writing, nor in any way exceed his authority as laid down in the building contract.

No rule of any society or any custom of engineers, architects or surveyors shall be binding on the party of the first part.

In witness whereof, the said hereunto set their hand and seal, and the City of Boston has caused these presents to be signed by the chairman of the Board of Schoolhouse Commissioners, hereunto duly authorized, the day and year as above written.

City of Boston,
By
Board of Schoolhouse Commissioners,

....
Chairman.

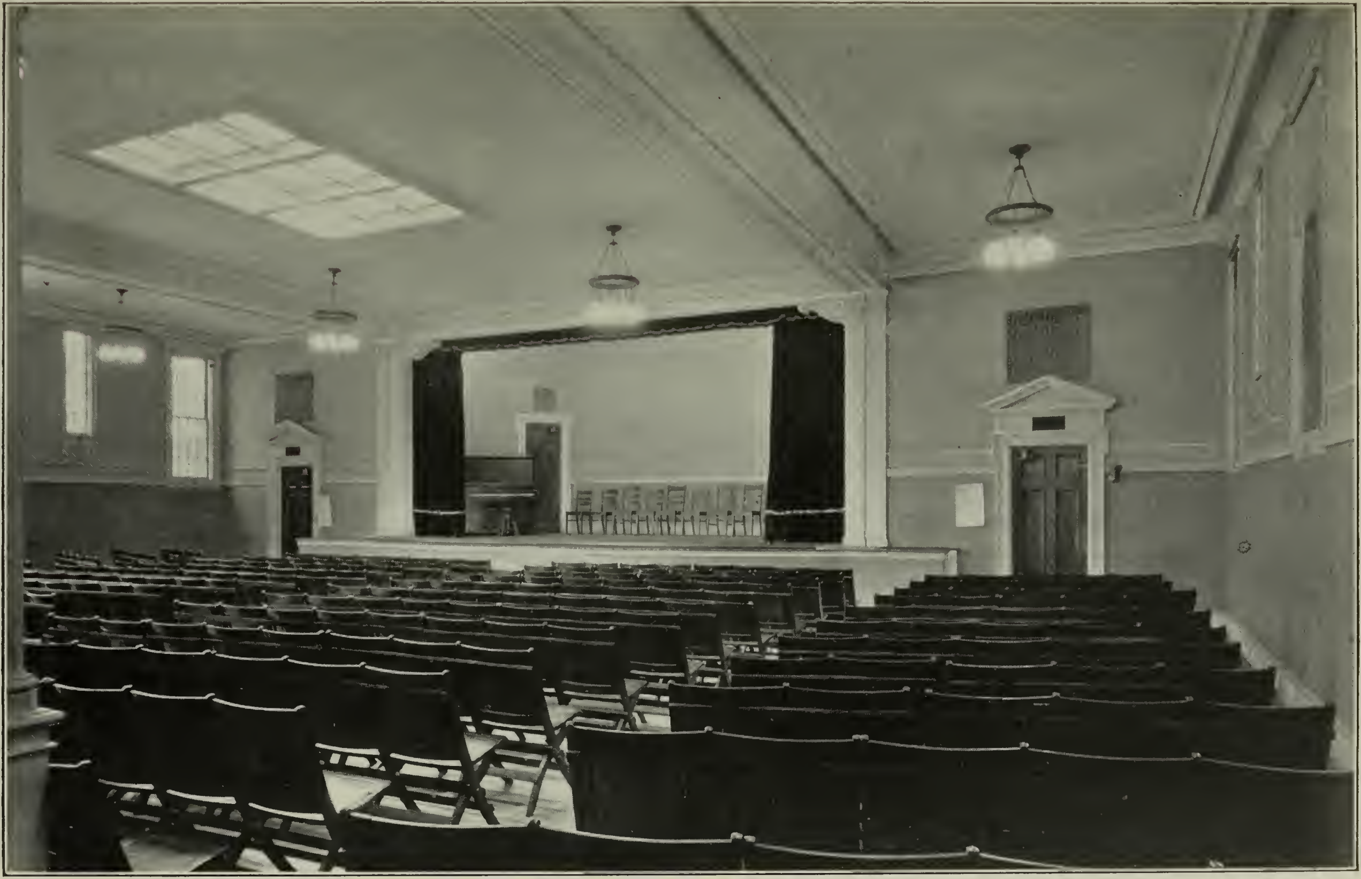
....
Architect.

Approved:

....
Mayor.

Form of Contract Approved:

....
Corporation Counsel.



MICHAEL ANGELO SCHOOL — ASSEMBLY HALL.

Joseph McGinniss, Architect.

APPENDIX VI.

GENERAL INFORMATION AS TO STANDARD REQUIREMENTS FOR SCHOOL BUILDINGS AND YARDS.

YARDS.

(1.) *Grading.*— Grade the yards as determined after consultation with the commissioners.

(2.) *Fences.*— Provide fences, planting, etc., as determined after consultation.

(3.) *Gates.*— Provide the gates in fences inclosing the yards with hasp and staple to receive the Department Standard yard padlock, which will be furnished by the Department outside of the general contract.

(4.) *Play-yards.* — Play-yards located on the sunny side of the building are desired and approximately 30 square feet per pupil should be provided. Play-yards are to be paved with hard-burned bricks, laid flat in sand and sloping at proper grades to catch-basins connecting to sewer.

(5.) *Walks.*— Pave the walks and approaches with hard-burned brick laid flat in sand.

(6.) *Curbs.*— Curbs forming borders may be paved with brick laid on edge. Bull-nose brick may be used for curbs.

(7.) *Sidewalks.*— Sidewalks for public use outside of the lot line and curbs for same are not to be included in general contract for building.

(8.) *Basement Entrances.*— Separate entrances are to be provided for boys and girls from their respective yards to the play-room. Areas, steps and inclines are to be avoided wherever possible. A separate entrance for janitor to boiler room may be provided. A proper entrance for coal and exit for ashes should be provided.

(9.) *Driveways.*— Driveways such as for coal and ash teams are to be paved with vitrified pavers laid at the proper pitches, and in cement mortar on a sufficiently thick concrete base.

(10.) *Flagstaff.*— Provide a flagstaff 20 feet long extended from a wall of the building with halliards, truck, etc., complete.

NOTE.— All the above items except as noted to be included in the general building contract.

ELEMENTARY AND JUNIOR HIGH SCHOOL.

In General.— Elementary schools are subdivided into upper and lower. Lower includes Grades I. and II. and are to have 12-inch by 18-inch desks and Grade III. is to have 13-inch by 21-inch desks. The buildings for the lower grades are to have besides the class-rooms required, rooms for teachers, nurse, book storage and emergency closets. Sufficient storage room for supplies, etc., shall be provided in the basement. The upper elementary buildings are to contain Grades IV. to IX., inclusive, and are to have besides the class-rooms required an assembly hall and rooms for master, teachers, nurse, book storage and emergency closets.

Grades IV., V. and VI. are to have 15-inch by 21-inch desks and Grades VII. and VIII. are to have 16-inch by 23-inch desks.

Junior High School rooms are to have 20-inch by 26-inch desks.

Desks are to be spaced according to standard seating plan.

THE BUILDING.

The building will be either "Lower Elementary," "Upper Elementary" or "Upper Elementary and Junior High," as above mentioned. This will be determined by the commissioners, who will act as an intermediary between architects and the school authorities and committee. Relations between commissioners, architects and contractors to be as defined by a contract. Commissioners are to determine the type of construction of the building, and shall furnish all necessary information to the Architect.

Orientation.— It is desired to place the building so that each class-room should receive sunlight during some portion of the day.

Setting.— Set the building above grade so that the play-rooms are well lighted and entrances are provided into basement play-rooms as before mentioned. (See Basement Entrances.) Boiler-room floor wash to drain direct to sewer wherever possible.

Heat and Vent Flues.— To be of galvanized iron or masonry, as determined by the commissioners. If of masonry, to have joints neatly struck and the inner surface fairly smooth.

Fireproofing.— Doors for boiler-room and coal-pocket to be metal covered. Boiler-room doors to be self-closing. Closets should be provided for electrician as needed for batteries, switch boards, etc.

A paper burner should be provided in connection with the boiler room as directed.

Bulletin boards should be included in general contract.

LOWER ELEMENTARY. This type of building, in addition to the foregoing requirements, is to have kindergarten room where so directed by commissioners.

UPPER ELEMENTARY. This type of building, in addition to the requirements for the lower elementary, should contain an assembly hall with its necessary rooms, and a master's room with waiting room, if so directed. Rooms for cooking, manual training, etc., are to be provided when called for by the commissioners.

JUNIOR HIGH SCHOOL. This type of building includes rooms for first year high school and upper elementary schools, and except for certain large class-rooms is practically the same as upper elementary building.

SCHOOL-ROOMS. (1.) *Size* will be 23 by 29 for lower and upper elementary grades, 26 by 32 for junior high and not less than 12 feet high in clear. Modification allowable only after consultation with the Board. Desks should be laid out on the preliminary plans. (See drawing.) Every class-room shall be consecutively numbered on the plans to designate it. These numbers to be for the doors, as noted below and for the annunciator. Other rooms that appear on the annunciator to be named on the plans, as assembly hall, teachers' or master's room, cooking room, manual training room. The kindergarten shall be counted as a class-room. In high schools, both class and recitation rooms to be numbered, other rooms named.

(2.) *Windows* will be on the long side for left-hand lighting. The glass measured inside the sash shall contain not less than one-fifth of floor area; neither double run of sash nor double glazing nor weather strips will be required, the head square and close to the ceiling; the sill about 2 feet 6 inches from the floor where a gravity indirect system of heating is installed and 2 feet 11 inches where there is to be plenum system; the windows divided with muntins, no large sheets of glass. Finished with plastered jamb, metal corner bead, without architrave.

(3.) *Doors.*— One to corridor, 3 feet 6 inches by 7 feet, partly glazed, to open out, placed preferably near the teacher's end; all as per standard details (two doors may be desired under certain conditions); brass-plated, ball-bearing steel butts, 4-lever mortise lock, master keyed; cast brass knobs, flush marble thresholds to corridors for first-class construction. Doors to have 2-inch plain painted numbers.

(4.) *Floors* will be maple.

(5.) *Walls* will be painted burlap up to top of blackboards, or of tack boards and above this plaster tinted in water-color,— a warm gray green or buff gives the best results,— the blackboards 4 feet high, 2 feet 2 inches from floor in kindergarten, 2 feet 4 inches to 2 feet 6 inches in Grade IV., and 2 feet 8 inches in Grades V. to VIII., behind the teacher's desk and on the long side. These will be of best black slate ¼ inch thick. At end, in place of blackboard, soft wood sheathing with cork carpet securely attached to it for a tack board, to extend from line of chalk trough to the moulding at top of blackboards, to have wood strips to cover tacks. In lower grades a card rack is required above the blackboard only. A picture moulding at top of burlap and also near ceilings in all rooms. (See drawings.)

(6.) *Ceilings* will be level, plaster tinted a light cream color. Ceiling angles square.

(7.) *Artificial Light.*— Nine stiff pendent, 60-watt electric fixtures on three switches, and one cord drop over teacher's desk. No gas.

(8.) *Heating and Ventilation.*— The inlet for heat about 5 square feet, the outlet for ventilation about 5 square feet.

(9.) *Bookcase.*— Provide a bookcase in any convenient position, about 5 feet 9 inches long; upper doors fitted with cylinder locks, and latch and knob; drawers fitted with locks and small brass pulls. Lower doors to have knobs and cylinder locks; same lock in each bookcase; all bookcase locks master keyed. (See drawing.) Special equipment for care of books where school is held day and evening is desired, similar to that existing at the Charlestown High School, so that the books of the day pupils will be put away in pigeonholes, leaving the desk free for evening use.

(10.) *Teacher's Closet.*— Provide a small closet for teacher's coat and hat, preferably opening from the class-room, but allowable from the wardrobe, closet to have about 4 hooks and one shelf.

FRESH–AIR ROOM.

The School Committee is responding to the more general demand for fresh-air rooms for children who are anæmic or of tubercular tendencies. At present all that the Board is advising to meet this new demand is that a sunny room, preferably a corner room, be chosen for this work, and that the windows on one or on two sides be made casement, to open out, or as the Board may direct; and that the heat be largely direct, so that the temperature can be quickly raised, if necessary, when the windows are closed. Otherwise these rooms will be the same as other class-rooms.

WARDROBES.

(*a.*) (1.) *Size.*— Wardrobes will adjoin school-rooms and be from 4 feet 6 inches to 5 feet wide in the clear; 6 feet where compartments are used. The Board is to be consulted as to the type of wardrobe, as in certain cases they may prefer the approved standard type of Chicago wardrobe.

(2 and 3.) *Windows and Doors.*— Outside light, two doors, both connecting with school-room, and not to corridor, and having no thresholds. Doors, double swung, 2 feet 6 inches wide, brass double-acting butts, foot and hand plates, hooks or adjustable stops to hold open, ventilation under door farthest from vent.

(4.) *Floors.*— Maple. For all cases, to have a drip gutter for umbrellas, lined with heavy zinc, all joints soldered and tight.

(5.) *Walls.*— Painted hard finish plaster to a height of 6 feet, poles on brass-plated iron brackets with hooks under and pins over, 44 in number; umbrella clips and drip gutter below. (See drawing.) Walls above, plaster, tinted. Height of lower pole, kindergarten, thirty inches from floor; lower grades, 36 inches to 40 inches; upper grades, 44 inches, 48 inches and 52 inches; distance between poles, 8 inches for elementary, 12 inches for upper grades. Pins and hooks, 6 inches to 12 inches on centres for elementary and 16 inches to 18 inches for upper grades. Each hook to have a painted number $1\frac{1}{4}$ inches high.

(6.) *Ceiling.*— Plaster.

(7.) *Artificial Light.*— One stiff pendent, 40-watt, electric fixture. Switch in class-room.

(8.) *Heating and Ventilating.*— Heating direct. Ventilation, vent duct, $1\frac{2}{3}$ square feet area cross section.

CORRIDORS AND VESTIBULES.

(1.) *Size.*— Not less than 8 feet wide for four rooms on a floor; not less than 10 feet for over four rooms, governed by length, access to stairs, etc.

(2.) *Windows.*— Outside light essential. Where necessary provide windows through class-room walls over the blackboard moulding.

(3.) *Doors.*— Main outer doors to open out, heavy butts, standard, master keyed, school lock; lock set to be furnished by the department but set by the contractor; door check; heavy hooks to hold open. Vestibule doors open out, heavy butts, pulls, push plates, hooks to hold open, door checks, no locks. Other doors to basement open out, and fitted with mortise lock with knob on inside only. Other hardware as above. All outside doors to be $2\frac{1}{4}$ inches thick, and to be made solid, no veneer.

(4.) *Floors.*— Terrazzo divided into areas not to exceed 80 square feet, by set joints, for first-class construction. Wood floor and base second-class construction.

(5 and 6.) *Walls and Ceilings.*— A light, glazed brick, tinted walls and ceilings. If walls of common brick, to have smoothly struck joints and painted; if walls of plaster, to have burlap 7 feet high — painted. Put picture moulding at ceiling in corridors if plastered.

(7.) *Artificial Light.*— Stiff pendent electric fixtures, 40 or 60 watt, for corridors and vestibules, and one-light brackets for stairway, also gas for emergency in corridors, on stairs, and in vestibules.

(8.) *Heating and Ventilation.*— Heat direct, supplemented by foot warmers on first floor. Ventilation where possible.

(9.) *Sinks and Closets.*— On each floor above the first, one or two 4-foot sinks, with 2 fountains and 1 faucet.

STAIRCASES.

(1.) *Number and Arrangements.*— Determined by the Board, and not over 5 feet wide or less than 4 feet wide in the clear.

(2.) *Material.*— The treads, North River stone on iron string. Rails of a simple pattern, easily cleaned; wall rails are desired.

(3.) *Steps.*— Rise about 6½ or 7 inches, treads about 10½ inches. Rail not less than 2 feet 8 inches on runs and 3 feet on landings.

(4.) *Exits.*— Exits from the lower landings of stairs are desired. These may have emergency bolts where so desired. Fire escapes may be desired when recommended by the Building Department and after consultation with the Board.

SANITARIES.

(1.) *Size* — General toilet-rooms in basement, in size approximating space for 1⅞ water-closets for each school-room, *i. e.*, ⅝ boys and 1¼ for girls, and 33 inches of urinal for every school-room, arranged for convenient supervision and circulation. Slate sinks, length from 10 inches per class-room in small buildings to 6 inches per class-room in large buildings, located preferably in the play-rooms. The above refers to mixed schools.

(2.) *Windows.*— Ample outside light; glazed where exposed to view outside with ribbed glass; to have wire guards.

(3.) *Doors.*— The doors arranged "in" and "out," with spring or door check and stout brass hooks to hold open; glazed with ribbed glass; half doors to water-closets.

(4.) *Floors.*— Asphalt. Boys' drained to urinal, girls' to floor washes.

(5.) *Walls.*— Salt-glazed brick or other nonporous inexpensive surface, 7 feet high; above, brick painted and enameled.

(6.) *Ceiling.*— Untinted plaster or whitewashed concrete. Basement ceiling need not be furred level for first-class construction. For second-class construction ceiling should be plastered.

(7.) *Artificial Light.*— Ceiling or short pendent electric fixtures.

(8.) *Heat and Ventilation.*— Heat direct. Ventilation through water-closets and space back of urinals, allow 10 square inches local vent for each water-closet and 8 square inches for each lineal foot of urinal.

PLUMBING FIXTURES.

(1.) *Water-closets.*— The pupils' water-closets for elementary schools are washed down closets; siphon action; upper classes, 16½ inches high; lower classes, 13½ inches high. Teachers' same, with raised rear vent 16½ inches high. (See drawing.)

(2.) *Partitions.*— To be ⅞-inch slate, supported at ends with iron pipe about 8 feet high, fastened together and to the wall, to which doors are hung. Back partitions of water-closets to be slate. (See drawing.)

(3.) *Urinals.*— The urinals will be of slate floor slab, trough and back, flushed automatically from special tank, through ⅞-inch perforated pipe, with cold water; vented at bottom into space behind. (See drawing.)

(4.) *Sinks* of black slate, two self-closing cocks, and jet drinking fountains, set 20 inches on centres. A sink is desired for janitor unless there is one near by.

(5.) *Floor Washes* in sanitaries and play-rooms as already mentioned. (See drawing.)

(6.) *Piping.*—(*a.*) Cast iron must be laid on good footing in basement, clean-outs at every change of direction. Soils and vents exposed as far as possible, no asphaltum, red lead and three coats of paint.

(*b.*) *Supplies.*— Exposed as far as possible; where covered may be plain brass, elsewhere polished brass; nickel plate where desired. Hot water for janitor's use in basement, cooking-room, pupils' sinks, and for master's, nurses', and teachers' rooms. Supply from boiler and from summer boiler, if any, or from an independent hot water heater. No auxiliary supply wanted for water-closet tanks.

(*c.*) *Fire Lines.*— In building three stories high or over, one or more lines of 3-inch pipe if requested by the Board.

PLAY-ROOMS.

All free basement space to be arranged as play-rooms for boys and girls. Walls to be of selected hard brick painted with cold water paint, granolithic floors, plaster ceilings or whitewashed concrete. Basement doors and windows to have wire guards in channel iron frames; guards to be hinged and padlocked. Doors are desired from the play-rooms to the play-yards. Areas at doors are not desired.

MASTER'S AND TEACHERS' ROOMS.

(1.) In each school of the upper grades a room of about 240 square feet for the master with a water-closet and bowl and a book-closet adjoining. This room should be near the centre of the building, *i. e.*, on the second floor, in a three-story building. In all schools a room or rooms for teachers, averaging about 300 square feet for ten teachers, with water-closet and bowl. Doors to be clearly marked "Master" or "Teacher" in painted letters and one water-closet and bowl on each floor of six rooms for teachers' emergency.

(2.) Where men as well as women are teachers, provide a separate room with toilet accommodations for men.

SPECIAL ROOMS.

ASSEMBLY HALLS.

Assembly halls should accommodate from 400 to 800 as the Board may direct. It is not considered necessary to seat the full number of pupils in schools of greater capacity. The floor to be level and of wood like class-rooms. The windows to be fitted with rebated mouldings to take opaque shades, and so designed as to make the operation of shades practical and simple. (See department standard detail.) The platform should be capable of accommodating one, or, in the large schools, two classes. Galleries may be used where the hall is two stories in height. Anterooms near the platform are desirable. A dignified architectural treatment of the walls and a studied color scheme for walls and ceiling shall be submitted to the Board for approval. The lighting acoustics and exits should be such as belong to a small lecture hall. Artificial lighting to be under control from at least two points, one of which must be near an exit. Electric outlet for 30-ampere projection lantern, 25 feet from curtain. Provide recess in ceiling over platform for spring-rolled curtain, 13 feet long. For assembly hall an allowance in cubing is made by the Board of two class-rooms for schools of medium size, that is, about sixteen class-rooms, and four class-rooms for schools of larger size, *i. e.*, sixteen class-rooms, to represent the added area for this purpose.

MANUAL TRAINING ROOMS.

(1.) *Size.*— Room, generally located in basement if floor can be above grading, should be approximately 900–1,000 square feet, preferably a corner room, and the larger of the two allowed sizes of rooms and arrangement shown by drawing, for number of benches there given, 25. In elementary schools for boys 22 benches are sufficient.

If in basement this room is not to be counted as one of the class-rooms.

(2.) *Light.*— The windows should be as near full length as possible and on two sides. Artificial light in stiff pendent electric fixtures, one light to every four benches.

(3.) *Floors.*— Of wood.

(4.) *Walls.*— A basement room should be finished as a shop; salt-glazed brick up to 7 feet where exposed, and above blackboard brick walls painted with cold water paint. If above basement, finished as a class-room.

(5.) *Ceilings.*— Like basement.

(6.) *Heating and Ventilation.*— The same as in class-rooms. If in basement provide some direct radiation.

(7.) *Fittings.*— (*a.*) *Stock-room.*— Stock-room should contain at least 80 square feet, preferably rectangular. Eighteen-inch shelves should run around the room, 5 feet 6 inches and 6 feet 6 inches from the floor.

(*b.*) *Wardrobes.*— Wall space for 26 double coat and hat hooks, in a separate room.

(*c.*) *Teachers' Closets.* — Teachers' closet should be small for personal belongings, with shelf and hooks under.

(*d.*) *Storeroom.* — For finished work and hardware should be fitted with all shelving possible; and area 40 square feet is adequate.

(*e.*) *Bookcases.*— Like those in class-rooms, 150 capacity.

(*f.*) *Sink.*— A 3-foot soapstone sink, with hot and cold water, with drinking fountain if desired.

(*g.*) *Display Frames.*— Four display frames, size and position as indicated of cork carpet over soft wood back, with 2-inch moulding around.

(*h.*) *Demonstration Steps.* — Demonstration steps are desired.

(*i.*) *Furniture.*— (Not included in the building contract.) The furniture comprises 25 benches and stools, teachers' desk, table, 4 feet by 2½ feet, with unfinished top, 1 desk chair and 2 common chairs, a clock. (See drawing.) Lay these out on preliminary drawings. Lower benches to set toward the front and nearer the windows.

(*j.*) *Blackboards.*— Provide about 15 linear feet of slate blackboards, 4 feet high.

(*k.*) *Glue Pot.* Provide electric or gas connections for same.

COOKING–ROOM. (1.) *Size.*— Should have an area of 900-1,000 square feet, preferably a corner room on top floor, but generally in basement, and the larger of the two allowed sizes of room, and arranged for 24 stations. If in basement this room is not to be counted as one of the class-rooms.

(2.) *Light.*— Windows as in a class-room, if located in a corner, from two sides. Artificial light as in a class-room.

(3.) *Walls.*— Above basement, similar to school-rooms, blackboards, 4 by 10 feet, back of teachers' desk. Walls painted in oils. A basement room shall have salt-glazed brick walls up to 7 feet and painted brick above. (See drawings.)

(4.) *Floors.*— The floor to be wood, except space occupied by ranges, which is tiled.

(5.) *Ceilings.*— Ceilings like basement, or, if above basement, like class-rooms.

(6.) *Heat and Ventilation.*— Less heat is required than in a class-room, but the ventilation should be the same, with additional vent from the demonstration ranges. Hoods over ranges if Board so desires.

(7.) *Fittings.*— (*a.*) *Wardrobes.*— Provision for 24 pupils, double coat and hat hooks in separate lighted closet, and teacher's small closet.

(*b.*) *Work Benches,* accommodating 24 pupils, fitted with compartment for utensils, bread-board, etc., a special gas burner with a hinged iron grille over it, set on aluminum plate at each station; benches arranged in the form of ellipse, or oblong, with access to centre from two sides; top of pine 24 inches wide; open underneath and supported on pipe standards. One section detached and fitted as a demonstration bench; a clear space of 4 feet all around. Dining table (furnished under another contract) is to be set in centre. (See drawings.) Lay these out on preliminary drawings and include in final drawings and contract.

(*c.*) *Dresser.*— Ten feet long in 3 sections, 4 adjustable shelves and glazed sliding or hinged doors at top; one set of 3 drawers and 2 cupboards on lower part. A shelf should be put in each cupboard about 12 inches from top.

(*d.*) *Fuel-box.*— In 2 compartments, each about 24 inches square and 30 inches deep, with hinged lids; small shelf in one section. Accommodations in the main coal room for a supply of range coal and kindling wood.

(*e.*) *Bookcase.*— Similar to those provided in class-rooms.

(*f.*) *Sink.*— Soapstone, 4 feet long; 2 cold and 2 hot water cocks; soapstone drip shelves, 24 inches long, at each end of sink, provided with grease trap. Sink should be near ranges.

(*g.*) *Hot Water Supply.*— (See instructions in plumbing.)

(*h.*) *Coal and Gas Ranges.*— A six-hole coal range and a similar gas range, four-hole, with hood provided, and set on a hearth previously mentioned.

(*i.*) Outlet for electric cooking apparatus.

(*j.*) *Refrigerator.*— Location to be shown. Furnish under another contract.

SEWING-ROOM. The following is a list of standard equipment adopted by the School Committee.

(Not to be included in the general contract for building.)

30 Portable tables (inserted yard measure).*
50 Chairs in girls' school,*
and
30 In mixed schools, varying in height from 14 inches to 21 inches from floor.*
1 Glass show case about 8 feet long, 2½ feet or 3 feet wide.
1 Cutting table, 8 feet long, 3 feet wide and 2 feet 6 inches high, inserted yard measure, 3 drawers in table, blackboards, minimum of 30 square feet.
Closet for teachers' wraps.
Stationary wash bowl with running hot and cold water.
One 7½-lb. electric iron.
One 4-lb. electric iron.
Standard box rack with box for each girl. (See drawing).
1 Sewing machine for 500 or fewer girls.

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* Not required when no regular "sewing room" is available.

KINDERGARTEN. (1.) *Size.*— The rooms can be contained in the space of class-room and wardrobe, but a slightly larger area, 800 to 900 square feet, is desirable, and preferably the larger of the two allowed sizes of room. They comprise a large room, a small room, a supply closet, a wardrobe and a water-closet. The large room should take a 20-foot circle, regulation lines painted on the floor with at least 4 feet all round it. (See drawing.) The small room, about 200 square feet.

(2.) *Light.*— Windows should be as in a class-room, if on a corner, on both sides. Exposure should be sunny. Artificial light of the class-room type arranged for the different rooms.

(3.) *Doors.*— Door to corridor as in class-rooms. Wide doors should open from small room into large room.

(4.) *Floors.*— Wood, with painted lines as above.

(5.) *Walls.*— As in class-rooms, with black-boards as in lower grades.

(6.) *Ceilings.*— As in class-rooms.

(7.) *Heat and Ventilation.*— As in class-rooms.

(8.) *Fittings.* (*a.*) *Wardrobe.*— Hooks for 60, arranged as in ordinary wardrobes.

(*b.*) *Teachers' Closet.*— For clothing of two or three teachers.

(*c.*) *Toilet-room.*— Immediately adjoining with two low-down seats and bowl or sink.

(*d.*) *Bookcase.*— As in lower grades.

NURSE'S ROOM. (1.) *Size.*— From 200 to 400 square feet, according to size of school.

(2.) *Windows.*— Outside light as in class-rooms.

(3.) *Shades.*— Set to roll from window-sill upward. Not in building contract.

(4.) *Doors.*— One door to corridor, as in class-room, marked "Nurse."

(5.) *Walls.*— Upper two-thirds plaster, smooth finish round corners, painted with light green oil paint. Lower one-third to floor, Keene cement finish with sanitary base.

(6.) *Floor.*— Maple.

(7.) *Heat and Ventilation.*— As in class-rooms.

(8.) *Artificial Light.*— Stiff pendent, 100-watt electric fixture with special shade. Wall receptacle for hand portable.

(9.) *Nurse's Closet for Supplies.*— Size, 3 by 4; one shelf; 6 hooks for clothing.

(10.) *Bathtub and Water-closet.*— Water-closet same as for teachers' room. Leave outlet in plumbing for bathtub.

(11.) *Bowl.*— Vitreous ware, hot and cold water faucets with shampoo cock. Hot water must be available all the year.

(12.) *Stove.*— Gas or electric heater.

(13.) *Fittings.*— (Not in building contract.) (*a.*) *Cabinet.*— Oak finish medical cabinet, adopted as standard by Schoolhouse Commission. (*b.*) *Stool.*— White enamel revolving stool. (*c.*) *Table.*— Dressing table, white enamel frame, glass top and shelf; size, 16 to 20, rubber crutch tips. (*d.*) *Filing Case for Nurse's Records.*— Oak finish, to hold 1,000 cards, 4 by 6; lock and key; guide cards, (*e.*) *Writing Table.*— Oak finish with drawer and lock; size, 20 by 30. (*f.*) *Chair.*— Oak to match table. (*g.*) *Couch.*— Flat frame oak, canvas adjustable top. (*h.*) *Mirror.*— Size, 2½ by 3, set over bowl.

HIGH SCHOOLS.

CLASS-ROOMS AND RECITATION-ROOMS.

High school class-rooms are laid out for classes of thirty-six or forty-two, generally the latter. A room 26 feet by 32 feet will accommodate forty-two high school desks. The larger class-rooms are to accommodate from sixty to eighty pupils; the larger number can be accommodated in a room 33 feet 8 inches by 43 feet. Recitation-rooms, which to a certain extent will be used also as class-rooms, should be about 16 by 26. These rooms if equipped with continuous desks and seats as in a lecture-room, or with double desks, such as are used in the Charlestown High, would accommodate about thirty pupils each. Lay out desks in one room of each type on preliminary plans.

ASSEMBLY HALL. For a high school would not differ materially from that already described for elementary schools, except that provision shall be made for a motion picture booth.

MASTER'S AND TEACHERS' ROOMS.

For accommodation of the principal there should be an outer office, that is, a waiting-room or reception-room, and an inner office, and rooms for both men and women teachers which might well be concentrated in the neighborhood of the reception-room and the principal's room.

CHEMISTRY.

The Rooms in General Required.— Laboratory, separate from lecture-room, may be used as recitation-room, but better to use lecture-room and keep laboratory free from desks and demonstration table. Lecture-room separate from laboratory, but easy of access, may be used for recitation; in that case should have facilities for demonstration. Combined lecture-room for physics and chemistry admissible. Three rooms for administration purposes, store-room for dry chemicals and apparatus, room for storage of liquid chemical and preparation of reagents, which may also be used as a teacher's laboratory and an office. The total area of the laboratory and administration rooms should be about 1,200 square feet and of the lecture-room about 600 square feet.

CHEMICAL LABORATORY.

(1.) *Size.*— Should accommodate a class of forty to fifty pupils, with apparatus. Accommodation for three such classes.

(2.) *Light.*— On two sides artificial light as in a class-room.

(3). *Heating and Ventilation.*— On same basis as for class-rooms, but removal of gases should also be provided for by a hood, each compartment of which should be ventilated by 9-inch hole at top, venting into elbow or T of drain pipe, thence connected by drain pipe into main flue, in which should be a fan operated by a motor.

(4.) *Walls and Ceilings.*— Walls of brick ideal, but not generally feasible, except on outside walls; plaster walls painted in oils and ceiling of plaster, covered with water-resisting surface containing no lead. All woodwork to have natural finish — except tops of desks.

(5.) *Floor.*— May be of hardwood in narrow strips, filled in by asphalt; should slope very slightly between desks, interspaces again trending to common corner, which may be drained.

(6.) *Equipment.*— Working desks at right angles to greater length of room, in sections back to back between windows; sections movable when top is removed. Each section 21 feet to 24 feet 6 inches long, 2 feet wide, 3 feet to 3 feet 2 inches in height. Distance between double sections about 5 feet, same distance at least between ends of sections and hood, which should be opposite longer line of windows and at right angles to direction of desk sections. Other ends of sections near enough to wall to allow for drain at right angles to sections and under windows. Desks to be of ash or any durable wood, natural finish. Top of narrow pine strips, treated with aniline black and waterproof lead finish. Individual desks provided with 3 lockers and 3 sets of drawers each, each set of drawers operated by bar from locker, combination lock to fasten locker. Each double section of desks provided with soapstone sink, placed between sections and flush with section top, which should slope slightly to sink.* Sink 8 inches wide at least and should begin within 1 foot of the pen, toward hood, depth here to be 6 inches, running nearly to other end, where depth should be 8 inches. Each pupil to have working space of 3 feet 6 inches by 1 foot 8 inches. Each double section of desks provided with shelf for reagents, running length of desk, 10 inches to 12 inches above desk, supported by metal standards at suitable intervals, of whitewood, 1¼ inches thick, 9 inches wide, natural finish, covered with glass plates, ¼ inch thick, 9 inches wide, suitable lengths, clamped to wooden shelf with as few clamps as possible. Wooden shelf at free end of each section, 1 inch to 1½ inches thick, 3 feet to 4 feet long, not over 1 foot 3 inches wide, height of 2 feet 8 inches to 2 feet 10 inches, for holding blast lamps, reagent jars, etc. Finish off top of shelf in aniline black. Floor space under second row of windows taken up with line of extra desks, built like sections, furnished in similar way, but without necessarily a drain to be used for emergency or general utility. Wall space not otherwise occupied may be used for shelves or cabinets. Fixed slate blackboards at end opposite second set of windows and parallel to desk sections, sliding battery blackboards where directed. Liquid waste may be thrown into desk sink, solid waste into earthen jars. Hood should run at right angles to desk sections and along wall opposite free ends of sections. In the construction of hood, protection against fire should be considered. Should be built against brick wall. Floor of hoods to be slate; wood, inside and outside, to be finished natural. Space divided into three or four compartments, closed by sliding windows. Space against wall not occupird by hood for general sink.

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* Individual sinks are preferred by the teachers, although the long trough is apparently adequate for teaching elementary chemistry, and is less expensive.

(7.) *Gas.*— Lead from gas main at free end of centre of double desk sections, branch into two leads along back of each section. Take-offs between each working desk space in form of pillar with two ¼-inch cocks, at each end desk a single cock. Two ¼-inch gas nipples at each side of each compartment of hood. Cocks of these outside of hood. Wall desk fitted with single gas taps at interval of two feet.

(8.) *Water.*— Lead from water main at free end of centre of double desk sections. Size, large enough to fill section sink rapidly. Lead of ordinary size along length of section underside of shelf, take-off at free end of section, to which blast and suction pump may be attached. At junction of each four working desk spaces take-off, carrying two valves with hose bibb delivery ¼-inch, the two valves or cocks facing opposite sides. Suction pump attached to these bibbs if desired.

(9.) *Drains.*— Section desk sink to have open drain and mercury arrester, into which should be set movable concave netting of wide mesh to arrest larger solid matter. Main desk drain at right angles to sections along and under windows, between windows and sections should be of heavy cast iron; may be supported on brackets against wall and left open, or covered and provided with movable top. Into this drain will drip the lead pipes coming from section sink. Slate floor of each hood compartment should deepen slightly in centre, where there should be a hole 1 inch in diameter, into which is fitted short lead drain pipe, closed by perforated plug; drain pipes to be connected with sloping drain pipe, open or closed, running toward and delivering into general sinks.

(10.) *Electricity.*— Current of electricity on section desks need not exceed ten volts, may be supplied from source common to physical and chemical side. Plugs between each working space placed under desk top on frame.

LECTURE AND RECITATION ROOM.

(1.) *Size.*— Area to depend on number of seatings required or number of pupils in classes; should be large enough for two classes and should occupy a position between the laboratories for physics and chemistry.

(2.) *Light.*— As much glass area as classroom, preferably from left. Fit windows and other openings admitting light with dark curtains as specified for Assembly Hall. Electric lighting from top, controlled at point convenient to demonstration table.

(3.) *Floor* stepped up in fireproof construction and finished in wood, like floor.

(4.) *Heating and Ventilation.*— As for classrooms, with extra ventilation to remove fumes. Space at left end of desk provided with register and flue of at least 10 inches diameter. Flue carried under floor to nearest wall, flue and draught actuated by motor if not sufficient.

(5.) *Equipment.*— Demonstration table, not less than 12 feet long, not more than 3 feet nor less than 30 inches wide, height 32 inches. Placed 4 feet distant from wall, material same as that of room, top made of pine plank and finished like chemical laboratory desks. Pneumatic sink at right hand of desk, of soapstone in two depths. Not to exceed 30 inches long, 20 inches wide. Depth, 4 inches to 6 inches minimum; 16 inches to 18 inches maximum. Length of minimum depth not to exceed 60 per cent of total length. Sink to be depressed in table and provided with flush cover. Sink to have screened drain with mercury trap and overflow. Supply hot and cold water under reduced pressure and cold water under street pressure for quick filling, 2 goosenecks with ¾-inch hose bibbs, to one of which combined blast and suction pump may be attached; steam supply direct from boiler main with a by-pass to summer boiler; supply gas air suction, and gas taps not exceeding 6 in number. Over demonstration table, secured to ceiling, provide a plank with heavy screw hooks. Behind lecture table provide sliding battery blackboards of not less than 50 square feet, and canvas curtain on heavy spring roller for attaching charts. Drawers and fireproofed closets for lesser lecture apparatus and chemicals in body of table, wall on either side provided with shelves for reagent bottles under glass, and side wall provided with cabinets for larger pieces of permanent apparatus, if there is no special room for this. Lifting seats with desk for taking notes arranged on platforms, so that the successive tiers will rise one above the other to insure an unobstructed view of demonstration table. (See drawing.)

(6.) *Electricity.*— Provide three (3) forms of current, viz., primary or storage battery current variable by unit cells up to ten cells, direct current at 110 volts, 30 amperes and alternating current at 110 volts, 30 amperes. Provide regulating rheostat for the 110-volt direct current. Provide two 50-ampere ammeters, one a. c. and one d. c., and two 125-volt volt-meters, one a. c. and one d. c., all with extra large illuminated dials. Current to be brought to a special slate distributing panel upon which the rheostat and measuring instruments shall be mounted. Panel shall be located conveniently to table and so that instruments shall be in full view of class and instructor. Panel to be provided with suitable means for switching instruments to any circuit, and any or all circuits to table. Terminate table circuit in four 50-ampere d. p. s. t. knife switches on a slate panel under table. A projection lantern and receptacles for same at end of table and at rear of room. Lantern screen on spring roller at side of room, width of screen usually 12 feet, but dependent on distance and lenses used.

ADMINISTRATIVE FACILITIES.

(1.) *Apparatus Store-room.*— Should give ample space for storage of extra and reserve apparatus and original packages of stock chemicals. These should be kept in dust-proof cabinets with glass doors and in drawers.

(2.) *Preparation-room.*— This should adjoin the above. Primarily for storage of liquid chemicals in bulk and preparation of liquid reagents and storage of supply bottles, also fitted for teachers' laboratory. Should have wide centre table with gas in centre, working desks, with drawers and closets along two sides, also gas, water, sink, blast, suction, steam and electricity. Shelves along desks for storage of liquid chemicals, supply bottles and smaller reagent bottles. An adequate hood should be provided.

(3.) *Office and Balance Room.*— Adjoining store-room and preparation-room should be small room to contain desk, book shelves, table and a good balance.

PHYSICAL LABORATORY.

(1.) *Size.*— In a space about 30 by 40 feet. A laboratory, apparatus-room and shop.

(2.) *Light.*— The same basis as for class-rooms, one wall having as direct a southern exposure as possible for *porte lumière* studies. Artificial light as in a class-room. Dark curtains in addition to regular shades for darkening room. Windows and all openings admitting light fitted as specified for Assembly Halls (page 43).

(3.) *Heating and Ventilation.*— On same general basis as for class-rooms.

(4.) *Equipment.*— Small laboratory tables to accommodate two or four pupils at each, built of hard wood, white pine tops, fitted with four drawers, supports and adjustable cross-bar. Wall tables around room on sides where there are windows, with one or two shallow drawers under, but not deep enough to interfere with comfort of pupil. Soapstone drip sinks with cold water to be provided at these tables, one to every six or eight pupils. Instructor's table, fitted with hot and cold water, Richards' pump, numerous cupboards and drawers of various depths and widths. Two-inch plank bolted to ceiling over this table, with space of 2 or 3 inches between plank and ceiling for attachment of pendulums and other apparatus. Provide electric outlet for stereopticon and screen for same.

(5.) *Furniture.*— Provide adjustable stools for all the tables and a sufficient number of tablet arm chairs to accommodate the entire division during demonstration exercises. Chairs to be placed in rectangle formed by pupils' tables and demonstration table. These are not in building contract, but to be laid out on preliminary plans.

(6.) *Electricity.*— Provide three (3) forms of current, viz., primary or storage battery current variable by unit cells up to ten cells, direct current at 110 volts, 30 amperes and alternating current at 110 volts, 30 amperes. Provide regulating rheostat for the 110-volt direct current. Provide two 50-ampere ammeters, one a. c. and one d. c., and two 125-volt voltmeters, one a. c. and one d. c., all with extra large illuminated dials. Current to be brought to a special slate distributing panel upon which the rheostat and measuring instruments shall be mounted. Panel shall be located conveniently to table and so that instruments shall be in full view of class and instructor. Panel to be provided with suitable means for switching instruments to any circuit and any or all circuits to demonstration table, pupils' tables or wall benches. Terminate demonstration table circuits in four 50-ampere, d. p. s. t. knife switches on a slate panel under table, and the other circuits in special polarized receptacles, or multiple series connection boards at each pupils' station.

(7.) *Gas.*— Pupils' tables to be equipped with gas, four cocks to each table. Wall tables to be equipped with gas. Demonstration table to be provided with gas.

(8.) *Bulletin Board.*— 25 to 50 square feet of bulletin board, covered with cork carpet, secured at edges, glued on like wall paper.

(9.) *Blackboards.*— As much blackboard space as possible. Sliding battery blackboards back of demonstration tables.

APPARATUS-ROOMS.

(1.) *Size.*— One large or several small rooms, to open directly out of laboratory and connected with lecture-room.

(2.) *Equipment.*— To be fitted with dust-tight cases with adjustable shelves and sliding glass doors, 7 feet high; cabinets of drawers of various widths and depths, mostly narrow and shallow. Some of these cases may be in the laboratory if there is sufficient wall space. A small sink and hood should be provided.

SHOP.

A small shop is desirable, though not absolutely necessary. This should be equipped with work bench, motor-driven lathe and shelving for tools and stock, and may be set up in apparatus-room.

BOTANICAL AND ZOOLOGICAL LABORATORY.

(1.) *Size.*— In a space about 30 by 40 feet. Laboratory and apparatus-room.

(2.) *Light.*— Windows the same as for class-rooms, one wall with southern exposure. Artificial light as in class-rooms.

(3.) *Equipment.*— (*a.*) Twenty-one pupils' tables, 54 inches by 24 inches by 30 inches high, each to accommodate two pupils, to have plate glass tops.

(*b.*) Soapstone sink, 72 inches by 30 inches, 10 inches deep, accessible on all sides. Supply with cold water, about 8 bibbs and 2 hose bibb cocks.

(*c.*) One aquarium, 30 inches long, 20 inches wide and 20 inches high, with supply, gooseneck cock with aspirator and standing waste.

(*d.*) Ice chest, 36 inches by 24 inches.

(*e.*) Botanical laboratory provided with Wardian case, 72 inches long, 27 inches wide and 36 inches high, fitted with electrical heating apparatus automatically controlled by thermostat.

(*f.*) Cases built wherever practicable. Three sections to contain 42 pigeonholes, 3 inches by 3 inches by 8 inches, for storage of instruments. A liberal supply of cases to contain drawers and cupboards in lower compartments, and shelves above, for exhibition of specimens, storage of material, instruments, books, charts, etc.

(4.) *Furniture.*— Forty-two adjustable screw revolving chairs, not in building contract.

GYMNASIUM AND DRILL HALL.

(1.) To be used in common for gymnasium exercises, athletic games and the drilling of the school cadets. On account of its size and for structural conditions to be generally located in the basement, with clear span of ceiling and combined height of basement and first story. Visitors' gallery generally provided at one end, entered from first floor.

(2.) *Size.*— The classes exercising in the gymnasium are from fifty to one hundred, and a suitable floor space for this number, as well as floor space for a full company of cadets at drill is from 3,750 to 4,000 square feet. The height should not be less than 24 feet.

(3.) *Light.*— Ample outside light in all cases. Artificial light from special electric ceiling fixtures protected with wire guards.

(4.) *Heat and Ventilation.*— The former sufficient to guarantee a temperature of about 60 degrees, and about twice as much ventilation as is customary for the ordinary classroom. This is, of course, insufficient for the number of people who might occasionally occupy the gymnasium for exhibitions, but it is more than enough for the ordinary number using it for class exercises.

(5.) *Equipment.*— The standard gymnastic apparatus consists of the following fixtures, which may be slightly modified in particular cases.

25 Bar stalls.
25 Bar stall benches.
2 Double booms.
4 Double boom saddles.
20 Vertical climbing ropes.
2 Swedish boxes.
12 Balance beams.
2 Pairs jump standards, 6 feet.
12 Pairs jump standard iron pins.
6 Pairs jump standard ropes with weight on ends.
2 Pairs basket ball goals
1 Fairbanks scale with measuring stand attached.
1 Dry spirometer and 21 glass mouth-pieces.
1 Tape, measuring 50 feet.
1 Truck for mat (small).
2 Jump boards (incline).
1 Graphophone.
18 Records.
2 Brown mats, 5 feet by 5 feet by 2 inches.
2 Brown mats, 5 feet by 10 feet by 2 inches.
3 Basket balls.
2 Strike balls, 12 inches.
12 Medicine balls, 2½ pounds.
4 Indoor baseballs.
2 Indoor baseball bats.
4 Volley balls.
24 Bean bags (green and red).
4 Bean bag boards.
75 Pairs ¾-lb. maple dumb bells.
6 Ring foil standards.
75 Pairs ¾-lb. maple Indian clubs.
1 Tennis net.
1 Volley net.
36 Rope quoits, 9 inches.
75 Maple wands, ¾-inch diameter.
4 Basket ball whistles (tin).
6 Paper baskets.
6 Ring toss stands.
75 Solid rubber bounding balls, 2¼ inches diameter.

(6.) *Gun Racks.*— Racks for holding the guns carried by the cadets should be provided on walls. These racks should be protected by locked doors.

(7.) *Special Rooms.*— Adjoining gymnasium and drill hall two small rooms about 10 feet square should be provided for school matron and director of gymnasium.

(8.) *Dressing-rooms, Baths and Lockers.*— (*a.*) *System.*— The clothing of all the pupils shall be placed in a central locker-room, each unit being numbered, and all being under the control of the attendant in charge. Dressing-rooms shall be provided in number equivalent to the number of a class.

(*b.*) *Lockers.*— The locker-room shall contain a pigeonhole case, 10-inch cube, one for each pupil in the school, and a counter over which to deliver the clothing. Adjoining this provide a dry-room, capable of being heated to a high temperature and thoroughly ventilated. This shall be fitted with hooks and wire clothesline.

(*c.*) *Dressing-rooms.* — The dressing-rooms are small cabins, about 3 feet square, with a locked door, a seat and hooks. Partitions shall stop 2 inches from the floor for ventilation.

(*d.*) *Showers.*— The shower baths are to be 3 feet square, divided by slate or marble partitions, similar to those for water-closets, each having a bar at the front, over which a cotton sheet can be dropped. Each compartment to have two sprays in opposite corners.

MANUAL ARTS ROOM. Rooms shall be provided for drawing, and in boys' schools for shop work in addition.

(1.) *Size.*— The space for each subject should be about 1,500 to 1,800 square feet.

(2.) *Light.*— Windows and artificial light by special fixtures. North light preferable in the drawing-rooms.

(3.) *Floors.*— Of wood.

(4.) *Walls.*— As in a manual training-room.

(5.) *Ceilings.*— As in a manual training-room.

(6.) *Heating and Ventilation.*— Same as in manual training-rooms.

(7.) *Stock-room.*— The lumber stock-room should contain at least 80 square feet, and preferably be rectangular. Shelves as directed.

(8.) *Teachers' Closets.*— As in manual training-room.

(9.) *Fittings.*— (*a.*) Bookcases, like those in class-rooms, 150 capacity.

(*b.*) *Cases.*— For work in process, extra tools, supplies, drawing boards, models, paper, finished drawings, etc. (For all of these get directions and see former High School drawings.)

(*c.*) *Display Frames.*— Size and position as directed, to be of cork carpet, over soft wood back with 2-inch moulding around.

(*d.*) *Sink.*— A 5-foot sink, with hot and cold water, fountains as directed.

(10.) *Equipment of Free-hand Drawing-room.*— Provide for at least 25 oak drawing tables of approved type to be used by boys and girls in common.

(11.) *Equipment for Mechanical Drawing-room.*— (For boys only.) See Appendix XI. and former High School drawings.

(12.) *Equipment of Woodworking Rooms.*— (For boys only.) Provide for at least 20 cabinet benches of approved type with quick action, iron vises. Provide glue pot with electric or gas connections as directed. Machinery if directed.

(13.) *Equipment of Metal-working Room.*— (For boys only.) Six double benches 8 feet by 2 feet, fitted with 12 iron vises, 3½-inch jaw; wall bench fitted with 10 stations, tool drawers and 5 tool holders; one ¾-inch gas hose cock terminal above each bench station; 2 gas blast burners, 1 large, 1 small metal-covered bench with ventilated hood; 1 muffle furnace, ventilated; 1 drill; 1 grindstone; pair bench shears. Machinery if directed.

(14.) *Motor.*— If directed.

(15.) *Blackboards.*— For each class-room for above subjects provide about 15 running feet of slate blackboard 4 feet high.

HOUSEHOLD SCIENCE.

(1.) *Size.*— The space should be about 1,200 square feet, and should accommodate the kitchen, two small rooms for showing the care of a dining-room and of a bedroom, and a china closet and pantry.

(2.) *Light, Heat, etc.*— The same as that for other rooms, with additional ventilation in the kitchen.

(3.) *Equipment.*— The kitchen to contain an equipment as may be decided upon by the Board after consultation; a kitchen pantry fitted with shelving and a china closet fitted with a sink; drawers, cupboard and shelves enclosed with glass doors. The dining-room and bedroom simply finished rooms, having no equipment except the furniture.

LUNCH-ROOMS.

(1.) *In General.*— The lunch-rooms in Boston schools have usually been located in the basement and where these are high and well lighted this location seems to serve satisfactorily. They should, however, have the special ventilation that is provided in a basement cooking-room. In size they should accommodate comfortably, seated at benches or small tables, that proportion of the pupils in the school which takes advantage of the luncheon facilities.

(2.) *Equipment.*— (*a.*) The counter should be set at height as required, and should have a rail 2 feet from it, with openings at intervals to keep children in single file, and there should be accommodation under the counter for dishes.

(*b.*) *Range.*— A six-hole gas range, with ample oven space.

(*c.*) *Sinks.*— Two good-sized soapstone sinks.

(*d.*) *Ice-box.*— Of sufficient size to take care of milk supply.

(*e.*) *Lockers.*— Sufficient to care for the clothing of the attendants, and for mops and brooms, etc. These should not be under the counter or near any place where food is kept.

(*f.*) *Furniture.*— In some cases the children are provided with camp chairs and small round tables to seat four. In others ordinary school benches have been provided. Both seem fairly satisfactory in operation.

LIBRARY.

A space equivalent to a small class-room is ample for library purposes. The book accommodation will depend somewhat on the size of the school. The library is planned as a reading-room, that is, with the books in the room and not in a separate stack-room.

WARDROBES.

(1.) In high schools large locker rooms — one for girls and one for boys — are to be provided, preferably in basement, fitted with metal lockers as the Board may direct; metal lockers are to be under separate contract.

(2.) *Light.*— The rooms should have outside light. Artificial light by ceiling or short pendent electric fixtures.

(3.) *Heat and Ventilation.*— This should be thoroughly well heated and ventilated similar to class-rooms.

(4.) *Equipment.*— The poles, hooks, etc., will be similar to those used in other schools, but more space should be given the girls, *i. e.*, about 1 foot 6 inches on centre. It has been found desirable to have some locked pigeonholes, 20 by 20 by 12 inches. These are not required when metal lockers are used.

ELECTRIC WORK.

(1.) *Service.*— This should enter basement underground at location to be determined by reference to street mains and should terminate on a switchboard located in a fireproof closet, opening if possible into the basement corridor.

(2.) *Conduits.*— All wires to be run in wrought iron or steel conduit concealed, except basement runs larger than 1 inch, I. P. S. All joints to be made with standard couplings, using red or white lead. Each conduit run to terminate in a suitable iron or steel outlet or junction box.

(3.) *Wire Slot.*— Obtain from electrical division the location of slots and openings for conduits and panel boards.

(4.) *Cabinets.*— All cabinets to be of steel and shall be furnished and set in place by wiring contractor, but the general contractor will provide and install doors and trim.

(5.) *Cutting.*— All cutting and patching to be done by the general contractor.

(6.) *Outlets.*— Class-rooms to be provided with nine single-light ceiling outlets, controlled by three switches, and one cord drop over teacher's desk. Wardrobes to have one ceiling outlet, controlled by switch in class-room. Corridors to be lighted from ceiling wherever possible. Height of side outlets in rooms and corridors to be 6 feet 6 inches. Switch outlets in class-rooms to be 6 feet, elsewhere 4 feet. Switches in corridors, play-rooms and pupils' toilet-rooms to be operated by private key.

(7.) *Fixtures.*— Fixtures in class-rooms to be of special design to combine a direct and diffused light.

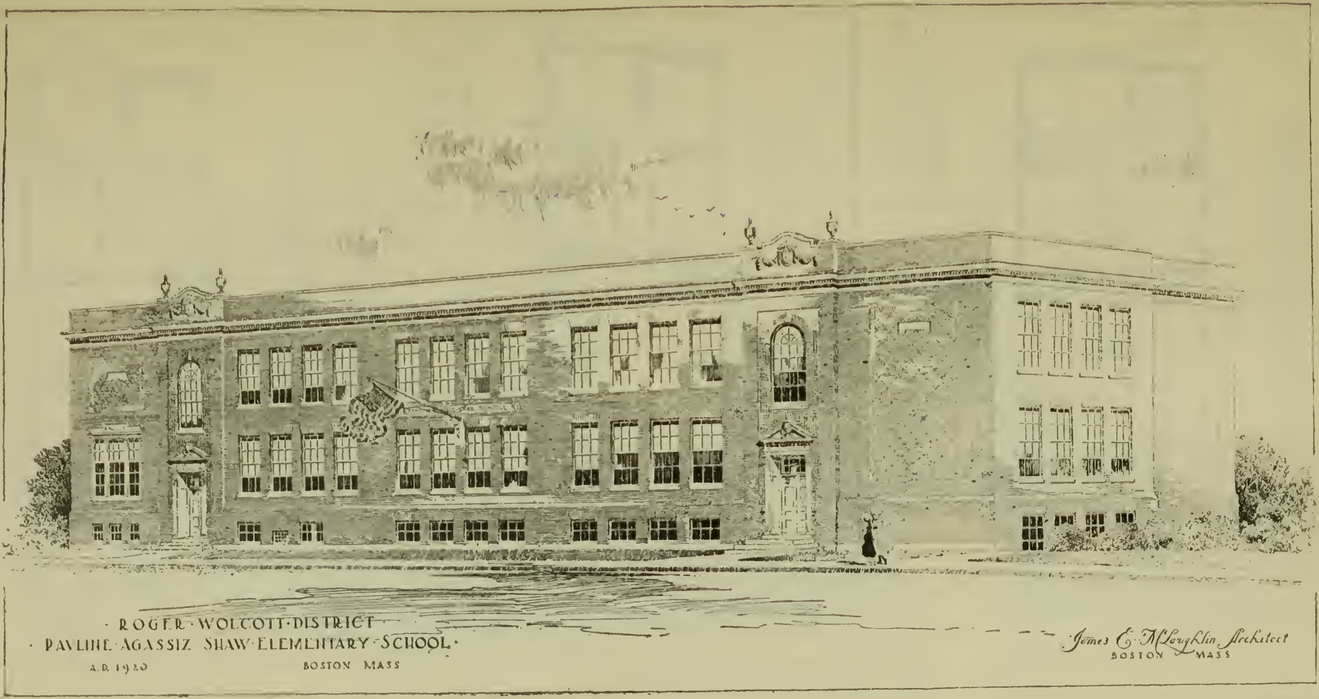
(8.) *Projection Lantern.*— All grammar schools and high schools to be provided with an electric projection lantern with reflectoscope attachment, and high schools shall in addition to above be provided with a motion picture projector enclosed in a suitable booth.

(9.) *Clocks and Bells.*— All schools to be provided with an electric system of clocks, operated by a master clock. All primary schools to be provided with a system of signal bells, operated by push buttons. In all grammar and high schools the bell system to be operated automatically by master clocks according to prearranged program.

(10.) *Telephones.*— In all schools, each class-room, hall, teachers' room, nurse's room, and boiler-room to be connected to master's office or to room occupied by the first assistant by a telephone system.

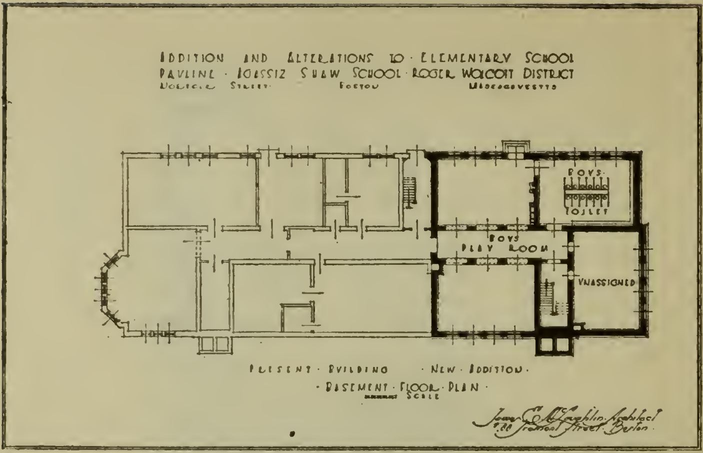
(11.) *Gas and Air.*— Gas outlets to be provided in all corridors, vestibules, stairways, boiler-room and assembly hall exits; all to be wall outlets. High schools shall in addition to above have laboratory tables piped with systems of gas and compressed air. Gas-piping to be included in the electrical engineer's work.

(12.) *Vacuum Cleaner System.*— All schools to be provided with a vacuum cleaner machine connected by means of suitable piping to various inlet valves distributed throughout the building.



· ROGER · WOLCOTT · DISTRICT ·
· PAVLINE · AGASSIZ · SHAW · ELEMENTARY · SCHOOL ·
A.D. 1920
BOSTON MASS

James E. McLaughlin Architect
BOSTON MASS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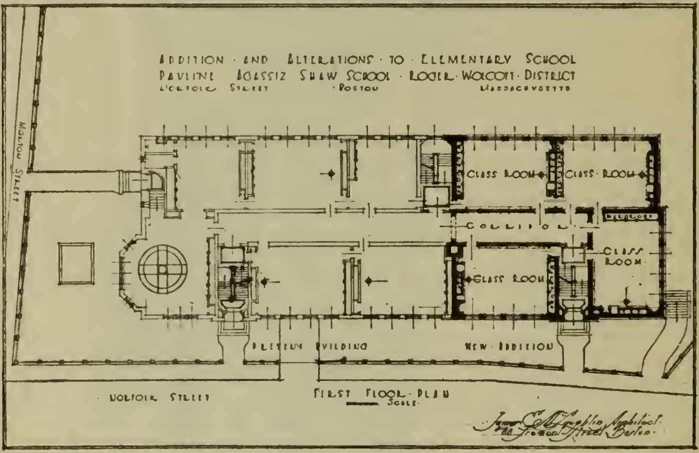
PAULINE AGASSIZ SHAW SCHOOL · ROGER WOLCOTT DISTRICT
NORFOLK STREET BOSTON MASSACHUSETTS
BOYS TOILET
BOYS PLAY ROOM
UNASSIGNED
PRESENT · BUILDING · NEW · ADDITION ·
· BASEMENT · FLOOR · PLAN ·
SCALE
James E. McLaughlin Architect
88 Tremont Street Boston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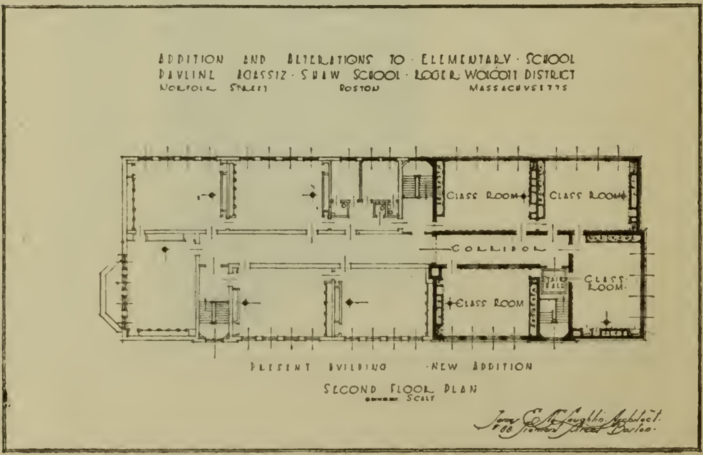
PAULINE AGASSIZ SHAW SCHOOL · ROGER WOLCOTT · DISTRICT
NORFOLK STREET · BOSTON MASSACHUSETTS
MILTON STREET
CLASS ROOM
CLASS ROOM
CORRIDOR
CLASS ROOM
CLASS ROOM
PRESENT BUILDING
NEW · ADDITION
· NORFOLK STREET
FIRST FLOOR · PLAN
SCALE
James E. McLaughlin Architect
88 Tremont Street Boston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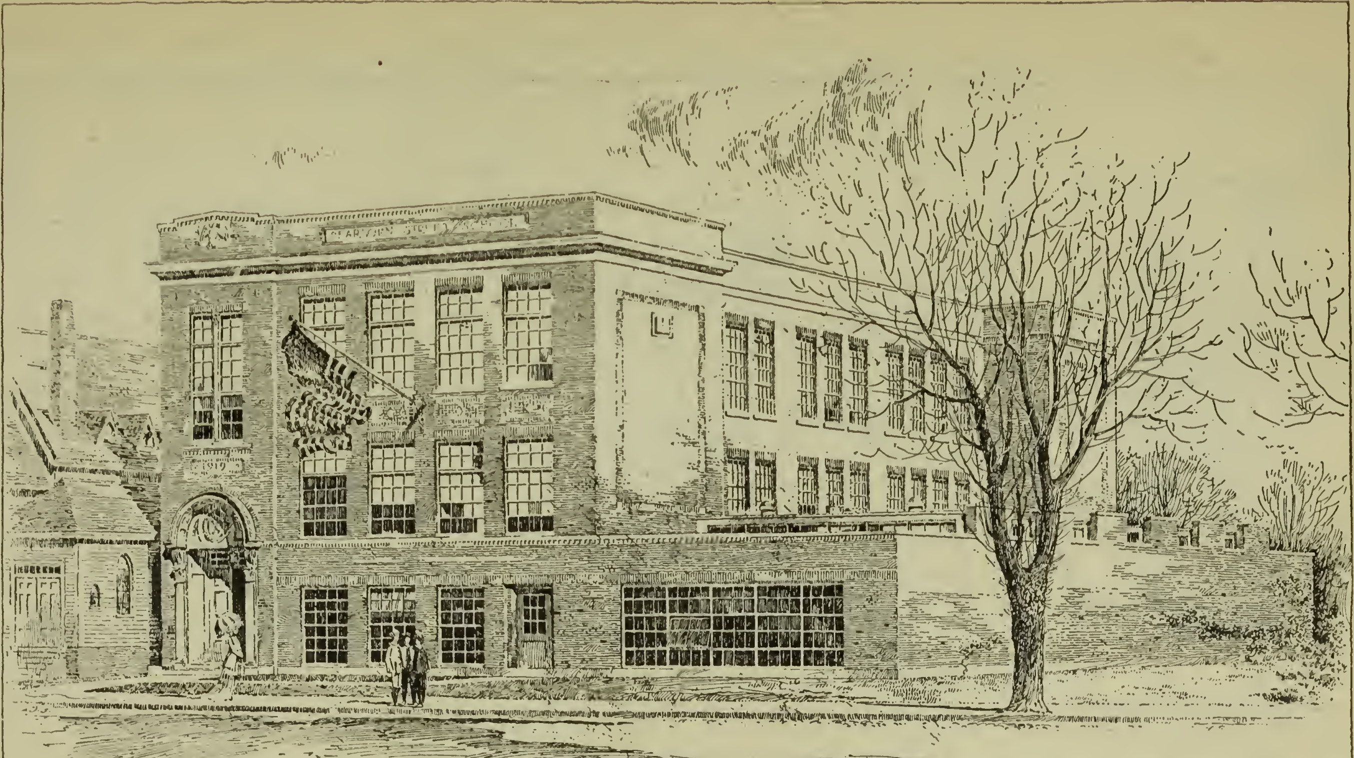
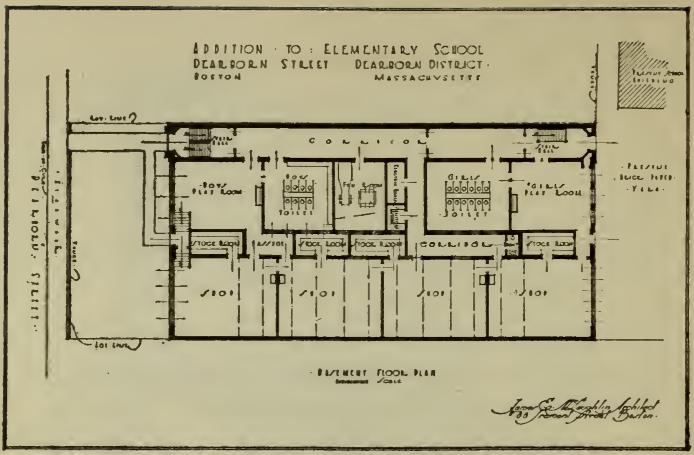
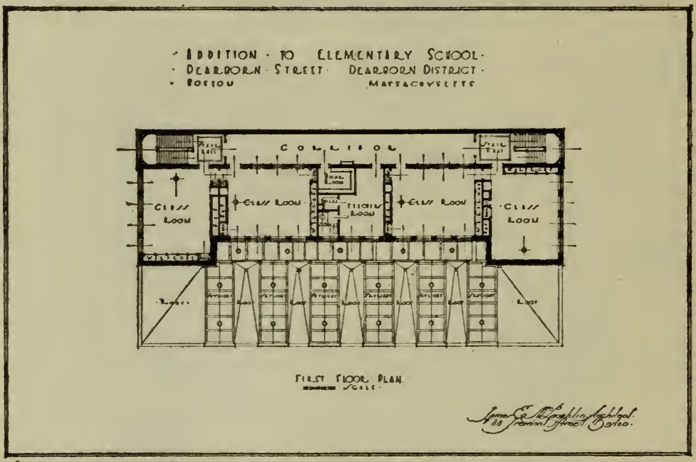
PAULINE AGASSIZ · SHAW SCHOOL · ROGER WOLCOTT DISTRICT
NORFOLK STREET BOSTON MASSACHUSETTS
CLASS ROOM
CLASS ROOM
CORRIDOR
STAIR HALL
CLASS ROOM
CLASS ROOM
PRESENT BUILDING · NEW ADDITION
SECOND FLOOR PLAN
SCALE
James E. McLaughlin Architect
88 Tremont Street Boston



ELEMENTARY SCHOOL
DEARBORN DISTRICT
A.D. 1920 BOSTON MASS

James E. McLaughlin Architect
BOSTON MASS.


ADDITION · TO : ELEMENTARY SCHOOL
DEARBORN STREET DEARBORN DISTRICT ·
BOSTON MASSACHUSETTS
Present School Building
Present Brick Paved Yard
Dearborn Street
Sidewalk
Lot Line
Curb
Corridor
Stair Hall
Boys Play Room
Boys Toilet
Fan Room
Girls Toilet
Girls Play Room
Stock Room
Corridor
Shop
Shop
Shop
Shop
Basement Floor Plan
Scale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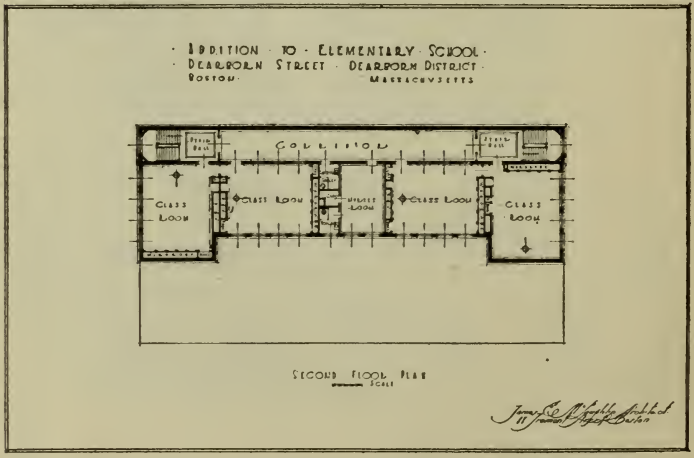
DEARBORN STREET · DEARBORN DISTRICT ·
BOSTON MASSACHUSETTS
Corridor
Stair Hall
Class Room
Class Room
Teachers Room
Book Room
Class Room
Class Room
Skylight
Roof
Roof
First Floor Plan
Scale


· ADDITION · TO · ELEMENTARY SCHOOL ·
· DEARBORN STREET · DEARBORN DISTRICT ·
BOSTON · MASSACHUSETTS
Corridor
Stair Hall
Class Room
Class Room
Teachers Room
Class Room
Class Room
Second Floor Plan
Scale

APPENDIX VII.

NEW BUILDINGS.

Item 6. Roger Wolcott District.— This two-story addition to the Pauline Agassiz Shaw School is being erected at the corner of Morton and Norfolk streets.

The basement contains boys' play-room and boys' toilet-room. The first floor contains four regular class-rooms 23 feet by 29 feet. The second floor contains four regular class-rooms.

Electrical.— The building is wired and equipped for electric lighting, extension of the intercommunicating telephone system, electric clock and bell systems and auxiliary fire alarm system, gas brackets installed in corridors for emergency lighting.

Heating and Ventilating System.— This building contains a plenum system of ventilation. The fan which furnishes fresh air to the class-rooms is operated by an electric motor, belt-connected. The air is heated by primary radiators located in the basement. The desired temperature of this air is obtained by means of mixing dampers controlled automatically by a graduated acting thermostat located in the heat duct. In building this addition the present boiler plant in the first unit was sufficiently large to supply steam to the radiators in the new building. The heating supply is a low pressure one, operating from one to five pounds boiler pressure. The various rooms are heated by direct radiators of the wall pattern placed directly under the windows and controlled automatically by a positive thermostat in each room.

Item 7.— Dearborn District, Roxbury — This two-story building is being erected on Dearborn street on land adjoining the Dearborn School.

The basement contains boys' and girls play-rooms, boys' and girls' toilets, four shops, four stock-rooms, fan and electrical room. The first floor contains four regular class-rooms, 23 feet by 29 feet, teachers' room and book-room. The second floor contains four regular class-rooms and nurse's room.

Electrical. — The building is wired for electric light and power systems, intercommunicating telephone system, electric clocks and automatic program bell system and a combined local and auxiliary fire alarm system. Auxiliary gas lighting in corridors. Electrical equipment, benches and machinery in woodworking, electrical, sheet metal and bookbinding shops.

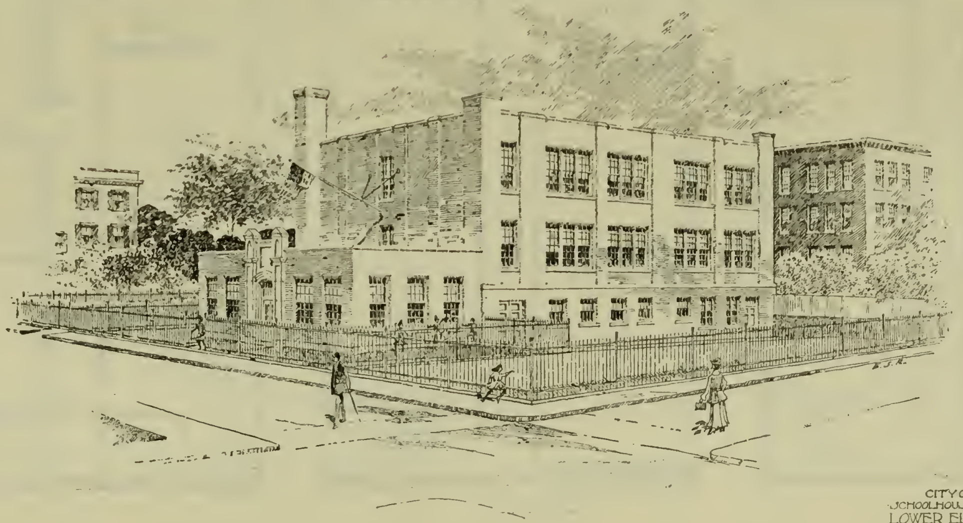
Heating and Ventilating System.— This building contains a plenum system of ventilation. The fan is driven by an electric motor, belt-connected, furnishing the necessary air for the class-rooms. The fresh air is first heated by primary radiators, located in the basement. The temperature of this air leaving the primary chamber is controlled automatically by mixing dampers operated by a graduated acting thermostat. The various class-rooms are heated by direct radiators placed under the windows. These radiators are the wall pattern and are also controlled by a positive thermostat located in the room. With this system any desired class-room temperature can be maintained. There are no boilers in this building, the steam being supplied from the main boiler plant located in the old building.

Item 14.— John Cheverus District School, East Boston. — This two-story building is being erected on Ashley street, corner of Blackinton street, East Boston.

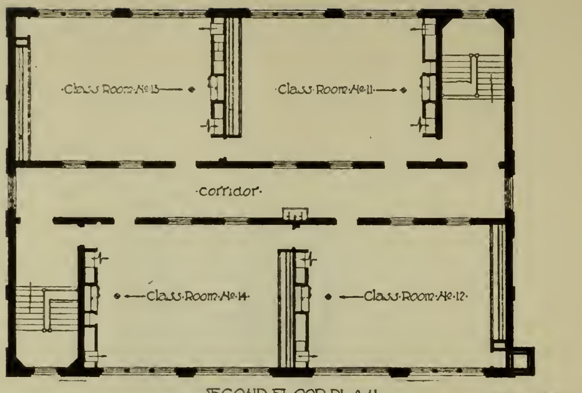
The basement contains one kindergarten-room, nurse's and teachers' room, boys' play-room, boys' and girls' toilets, one store-room, one book-room, boiler, electrical, fan and coal rooms. The first floor contains four regular class-rooms, 23 feet by 29 feet. The second floor contains four regular class-rooms.

Electrical.— The building is wired and equipped for electric lighting, intercommunicating telephone system, electric clocks, automatic program system and combined local and auxiliary fire alarm system. Auxiliary gas lighting in boiler room and corridor.

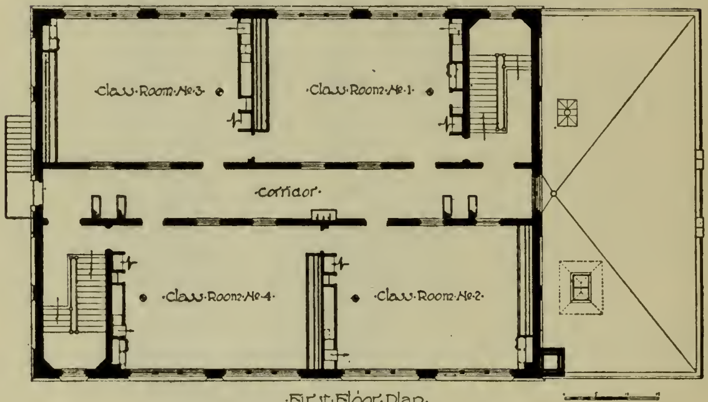
Heating and Ventilating System.— This building contains a plenum system of ventilation. Two sectional boilers supply steam to the heating system with a pressure of from one to five pounds, the water of condensation returning to the boilers by gravity. The ventilating fan is driven by an electric motor, belt-connected. The fresh air for the various class-rooms is heated by means of primary radiators located in the basement. The desired temperature of the air leaving the primary chamber is obtained by mixing dampers controlled automatically by a graduated acting thermostat located in the main ventilating duct. The various rooms are heated by direct radiators of the wall pattern placed directly under the windows. The desired temperature of the class-room is maintained by an automatic positive thermostat located directly in the class-rooms which opens and closes the automatic control valve.



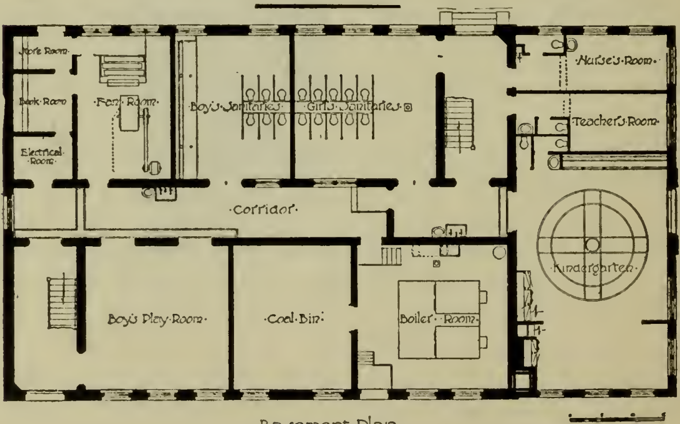
CITY OF BOSTON
SCHOOLHOUSE DEPARTMENT
LOWER ELEMENTARY
JOHN CHEVERUS SCHOOL DISTRICT
ASHLEY & BLACKINTON STREETS WARD 1
H. H. ATWOOD ARCHITECT



SECOND FLOOR PLAN



First Floor Plan



Basement Plan

CITY OF BOSTON
SCHOOLHOUSE DEPARTMENT
LOWER ELEMENTARY
JOHN CHEVERUS SCHOOL DISTRICT
ASHLEY & BLACKINTON STREETS WARD 1
H H ATWOOD ARCHITECT

APPENDIX VIII.

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.

NAME.	Location.	Land, Estimated Valuation.	Building, Estimated Valuation.	Total Assessed Valuation.
Aaron Davis	Yeoman street, Roxbury	$10,900	$44,000	$54,900
Abby W. May	Thornton street, Roxbury	3,600	41,000	44,600
Abraham Lincoln	Fayette street, city	177,700	280,000	457,700
Abram E. Cutter	Medford street, Charlestown	6,100	13,000	19,100
Adams street	Adams street, Dorchester	5,300	2,500	7,800
Agassiz	Brewer street, Jamaica Plain	19,600	112,000	131,600
Albert Palmer	Eustis street, Roxbury	12,900	45,000	57,900
Amos Webster	Hilton street, Hyde Park	1,300	9,200	10,500
Andrews	Genesee street, city	28,700	114,000	142,700
Asa Gray	Weston street, Roxbury	12,000	38,000	50,000
Atherton	Columbia road, Dorchester	10,600	50,000	60,600
Auburn	School street, Brighton	1,900	5,000	6,900
Audubon	Harvard street, Dorchester	6,300	134,100	140,400
Austin	Paris street, East Boston	7,000	8,000	15,000
Bailey Street	Bailey street, Dorchester	5,100	6,900	12,000
Baldwin	Chardon street, city	24,600	13,000	37,600
B. F. Tweed	Cambridge street, Charlestown	16,800	39,000	55,800

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— *Continued.*

NAME.	Location.	Land, Estimated Valuation.	Building, Estimated Valuation.	Total Assessed Valuation.
Benedict Fenwick	Magnolia street, Dorchester	$20,200	$62,800	$83,000
Benjamin Cushing	Robinson street, Dorchester	6,300	60,000	66,300
Benjamin Dean	H street, South Boston	4,600	42,000	46,600
Benjamin Pope	O street, South Boston	8,000	45,000	53,000
Bennett	Chestnut Hill avenue, Brighton	11,000	74,000	85,000
Bennett Branch	Dighton street, Brighton	2,900	15,000	17,900
Bigelow	West Fourth street, South Boston	29,000	180,000	209,000
Blackinton	Blackinton street, East Boston	20,600	124,000	144,600
Boston Trade School	Parker and Archibald streets, Roxbury	56,100	285,000	341,100
Bowditch	Green street, Jamaica Plain	15,400	104,000	119,400
Bowdoin	Myrtle street, city	74,700	109,000	183,700
Brighton High	Cambridge street, Brighton	42,900	222,000	264,900
Bunker Hill	Baldwin street, Charlestown	20,600	67,400	88,000
Butler	East River street, Hyde Park	500	300	800
Canterbury Street	Canterbury street, West Roxbury	2,000	2,000	4,000
Capen	Sixth street, South Boston	5,600	34,000	39,600
Chapman	Eutaw street, East Boston	17,500	130,000	147,500
Charles Bulfinch	Parker street and Fisher avenue, Roxbury	19,500	79,000	98,500
Charles C. Perkins	St. Botolph street	48,000	76,500	124,500

Charles E. Daniels	Mead street, Charlestown.	4,700	9,300	14,000
Charles Sumner.	Ashland street, Roslindale	3,600	50,000	53,600
Charlestown High.	Monument square, Charlestown	24,200	299,800	324,000
Chestnut Avenue	Chestnut Avenue, Roxbury	5,500	12,000	17,500
Choate Burnham	East Third street, South Boston	5,100	60,000	65,100
Christopher Columbus	Tileston street, city	45,000	173,000	218,000
Christopher Gibson	Bowdoin avenue, Dorchester	9,900	111,000	120,900
Clinch	F street, South Boston	8,100	33,000	41,100
Comins	Tremont street, Roxbury	33,300	41,000	74,300
Commodore Barry	Belmont square, East Boston	8,400	55,000	63,400
Continuation	Common street, city	51,300	38,700	90,000
Copley	Bartlett street, Charlestown	19,300	64,000	83,300
Cottage Place	Cottage place, Roxbury	10,600	2,500	13,100
Cudworth	Gove street, East Boston	31,300	80,000	111,300
Cushman	Parmenter street, city	105,500	57,000	162,500
Cyrus Alger	Seventh street, South Boston	10,000	48,000	58,000
Common Building	Tremont Entrance to Fenway			[1]
Damon	Readville street, Hyde Park	4,700	20,000	24,700
Dearborn	Ambrose street, Roxbury	29,300	223,000	252,300
Dillaway	Kenilworth street, Roxbury	17,100	79,000	96,100
Dorchester Avenue	Dorchester avenue, corner Gibson street, Dorchester	15,300	2,500	17,800
Dorchester High	Talbot avenue, Dorchester	54,300	456,000	510,300

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[1] Assessed under Normal Group.

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— *Continued.*

Name.	Location.	Land, Estimated Valuation.	Building, Estimated Valuation.	Total. Assessed Valuation.
Drake	C street, South Boston	$12,800	$33,000	$45,800
Dudley	Dudley and Putnam streets, Roxbury	26,300	132,000	158,300
Dwight	West Springfield street, city	31,100	54,500	85,600
East Boston High	Marion street, East Boston	20,600	281,000	301,600
Edmund P. Tileston	Norfolk street, Mattapan	10,500	145,000	155,500
Edward Everett	Pleasant street, Dorchester	25,100	107,500	132,600
Elbridge Smith	Centre street, Dorchester	23,700	60,000	83,700
Elihu Greenwood	Metropolitan avenue, Hyde Park	4,600	34,000	38,600
Eliot	North Bennet street, city	38,600	45,000	83,600
Elizabeth Peabody	Poplar street, city	16,300	15,200	31,500
Ellen H. Richards	Beaumont street, Dorchester	7,800	44,000	51,800
Ellis Mendell	School street, Jamaica Plain	13,800	122,000	135,800
Emerson	Prescott street, East Boston	20,000	101,000	121,000
Emily A. Fifield	Dunbar avenue, Dorchester	4,500	159,000	163,500
English High	Montgomery street, city	256,900	527,000	783,900
Everett	West Northampton street, city	45,400	105,500	150,900
Fairmount	Williams avenue, Hyde Park	4,400	27,000	31,400
Farragut	Fenwood road, Roxbury	23,700	165,000	188,700
Florence Nightingale	West Park street, Dorchester	11,900	60,000	71,900

Florence street	Florence street, Roslindale	3,000	5,000	8,000
Franklin	Waltham street, city	41,100	50,000	91,100
Frances E. Willard	Rutland street, city	11,800	18,100	29,900
Francis Parkman	Walk Hill street, Forest Hills	4,000	122,000	126,000
Frederic A. Whitney	Armington street, Brighton	4,300	50,000	54,300
Frederic W. Lincoln	Broadway, South Boston	14,700	48,000	62,700
Freeman	Charter street, city	26,200	28,000	54,200
Frothingham	Prospect street, Charlestown	21,000	81,000	102,000
Frothingham Annex	Prospect street, Charlestown			[1]
Gaston	East Fifth street, South Boston	17,700	104,000	121,700
George Bancroft	Appleton street, near Dartmouth street, city	46,100	35,000	81,100
George Frisbie Hoar	West Fifth street, near D street, South Boston	18,000	69,000	87,000
George Putnam	Columbus avenue, near Egleston square, Jamaica Plain,	23,400	121,000	144,400
George T. Angell	Harrison avenue and Hunneman street, city	39,400	55,200	94,600
Germantown	Washington street, Germantown	2,700	10,000	12,700
Gilbert Stuart	Richmond street, Dorchester	9,300	114,000	123,300
Girls' High	West Newton street, city	56,200	458,900	515,100
Girls' Latin	Tremont Entrance to Fenway			[2]
Glenway	Glenway street, Dorchester			[3]
Glenway Annex	Glenway street, Dorchester			[3]
Grant	Phillips street, city	9,400	9,100	18,500
Hancock	Parmenter street, city	165,700	54,800	220,500

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[1] Assessed under Frothingham.

[2] Assessed under Normal Group.

[3] Assessed under William E. Endicott.

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— *Continued.*

NAME.	Location.	Land, Estimated Valuation.	Building, Estimated Valuation.	Total Assessed Valuation.
Hancock Annex	Parmenter street, city	....	....	[1]
Harbor View Street	Harbor View street, Dorchester	$11,100	$15,000	$26,100
Harris	Adams street, Dorchester	9,300	20,300	29,600
Harvard	Devens street, Charlestown	21,200	81,800	103,000
Harvard	North Harvard street, Brighton	3,100	11,000	14,100
Hawes Hall	Broadway, South Boston	30,400	42,000	72,400
Heath Street	Heath street, Roxbury	4,800	1,000	5,800
Hemenway	Wolcott street, Hyde Park	1,300	8,400	9,700
Henry Grew	Gordon avenue, Hyde Park	8,100	45,000	53,100
Henry L. Pierce	Washington street, Dorchester	32,200	118,000	150,200
Henry Vane	Baker street, West Roxbury	2,500	31,000	33,500
High School of Commerce	Avenue Louis Pasteur, Roxbury	82,900	480,000	562,900
High School of Practical Arts	Greenville street, Roxbury	26,900	357,000	383,900
High School of Practical Arts Annex	Greenville street, Roxbury	....	....	[2]
Hillside	Elm street, Jamaica Plain	13,000	32,000	45,000
Hobart Street	Hobart street, Brighton	4,500	17,000	21,500
Horace Mann	Newbury street, city	42,000	87,000	129,000
Howard Avenue	Howard avenue, Dorchester	11,500	113,000	124,500
Howard Avenue Annex	Howard avenue, Dorchester	....	....	[3]

Hugh O'Brien	Dudley and Langdon streets, Roxbury	28,400	126,000	154,400
Hugh O'Brien Annex	Dudley and Langdon streets, Roxbury			[4]
Hull	Quincy street, Roxbury	7,000	45,000	52,000
Hyde	Hammond street, Roxbury	20,800	121,000	141,800
Hyde Park High	Everett street, Hyde Park	10,000	208,100	218,100
Ira Allen	Parker street, Roxbury	13,600	54,000	67,600
Jacob Foss	Adams and Chestnut streets, Charlestown	23,000	3,500	26,500
James A. McDonald	Polk street, Charlestown			[5]
James Otis	Paris and Marion streets, East Boston	10,400	161,400	171,800
Jefferson	Heath street, Roxbury	11,500	211,000	222,500
John A. Andrew	Dorchester street, South Boston	14,200	68,000	82,200
John Boyle O'Reilly	Dorchester street, South Boston	12,500	113,000	125,500
John Cheverus	Moore street, East Boston	18,900	103,000	121,900
John D. Philbrick	Folsom street, West Roxbury	2,700	59,700	62,400
John G. Whittier	Southern avenue, Dorchester	6,900	83,100	90,000
John J. Williams	Groton street, city	23,400	69,000	92,400
John L. Motley	Savin Hill avenue, Dorchester	12,300	25,000	37,300
John Winthrop	Brookford and Dacia streets, Roxbury	11,100	110,000	121,100
Joseph Tuckerman	Fourth and L streets, South Boston	15,100	77,000	92,100
Joshua Bates	Harrison avenue, city	19,000	48,000	67,000
Julia Ward Howe	Dale street, Roxbury	13,900	65,000	78,900

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[1] Assessed under Hancock. [2] Assessed under High School of Practical Arts. [3] Assessed under Howard Avenue. [4] Assessed under Hugh O'Brien.
[5] Assessed under Polk Street.

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— *Continued.*

Name.	Location.	Land, Estimated Valuation.	Building, Estimated Valuation.	Total Assessed Valuation.
Julia Ward Howe Annex	Dale street, Roxbury			[1]
Lafayette	Ruggles street, Roxbury	$13,800	$62,800	$76,600
Lawrence	B street, South Boston	14,300	42,000	56,300
Lewis	Paulding street, Roxbury	24,100	108,000	132,100
Little Em'ly	Adams street, Dorchester			[2]
Longfellow	Hewlett and South streets, Roslindale	10,300	131,000	141,300
Louisa May Alcott	West Concord street, city	17,500	35,000	52,500
Louis Prang	Bartlett street, Roxbury	6,900	26,000	32,900
Lowell	310 Centre street, Jamaica Plain	22,900	44,500	67,400
Lowell Annex	Mozart street, Jamaica Plain			[3]
Lucretia Crocker	Parker street, Roxbury	16,500	53,000	69,500
Lyceum Hall	Meeting House Hill, Dorchester	10,600	20,000	30,600
Margaret Fuller	Glen road, Jamaica Plain	5,700	40,000	45,700
Marshall	Westville street, Dorchester	14,600	183,000	197,600
Martha A. Baker	Walk Hill street, Dorchester	4,500	24,500	29,000
Martin	Huntington avenue, Roxbury	63,700	105,000	168,700
Mary Hemenway	Adams street, Dorchester	9,000	122,000	131,000
Mary L. Brock	Chestnut Hill avenue, Brighton	13,700	20,000	23,700
Mary Lyon	Turner and Hester streets, Brighton	6,000	40,000	46,000

Mather	Meeting House Hill, Dorchester	43,000	302,500	345,500
Mayflower	Harbor View street, Dorchester	.....	.....	[4]
Mayhew	Chambers street, city	53,000	107,000	160,000
Mechanic Arts High	Belvidere street, city	97,000	648,000	745,000
Michael Angelo	Charter street, city	58,500	172,900	231,400
Minot	Neponset avenue, Neponset	9,500	64,000	73,500
Mozart	Beech street, West Roxbury	4,800	23,000	27,800
Mt. Pleasant Avenue	Mt. Pleasant avenue, Roxbury	2,400	3,700	6,100
Miles Standish	Roxbury and King streets, Roxbury	14,100	42,000	56,100
Nahum Chapin	Common street, Charlestown	7,700	6,800	14,500
Nathan Hale	Cedar street, Roxbury	16,000	68,000	84,000
Nathaniel Hawthorne	Harlow street, Roxbury	.....	.....	[5]
Noble	Princeton street, East Boston	7,000	48,000	55,000
Noble Annex	Princeton street, East Boston	.....	.....	[6]
Norcross	D street, South Boston	10,000	73,000	83,000
Normal Group*	Huntington avenue, Roxbury	225,000	750,000	975,000
Oak Square	Nonantum street, Brighton	3,600	20,000	23,600
Old Agassiz	Burroughs street, Jamaica Plain	.....	.....	[7]
Old Baker Street	Baker street, West Roxbury	1,200	1,000	2,200
Old Dearborn	Dearborn place, Roxbury	.....	.....	[8]
Old Edward Everett	Sumner street, Dorchester	10,200	40,000	50,200

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* Includes assessed valuation of Girls' Latin, Patrick A. Collins and Common Building.

[1] Assessed under Julia Ward Howe. [2] Assessed under Harris. [3] Assessed under Lowell. [4] Assessed under Harbor View Street. [5] Assessed under Howard Avenue. [6] Assessed under Noble. [7] Assessed under Agassiz. [8] Assessed under Dearborn.

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— *Continued.*

Name.	Location.	Land, Estimated Valuation.	Building, Estimated Valuation.	Total Assesed Valuation.
Old Gibson	Athelwold street, Dorchester			[1]
Old Mather	Meeting House Hill, Dorchester			[2]
Old Parkman	Silver street, South Boston	$2,700	$6,000	$8,700
Oliver H. Perry	East Seventh street, South Boston	11,200	146,000	157,200
Oliver Holden	Pearl street, Charlestown	10,700	5,300	16,000
Oliver Wendell Holmes	School street, Dorchester	23,000	195,000	218,000
Parkman	Broadway, South Boston	23,400	28,000	51,400
Patrick A. Collins	Worthington street, Roxbury			[3]
Pauline Agassiz Shaw	Norfolk and Morton streets, Dorchester	9,100	97,000	106,100
Paul Jones	Horace street, East Boston	7,000	114,000	121,000
Paul Revere	Prince street, city	113,900	164,600	278,500
Peter Faneuil	Joy street, city	80,000	110,000	190,000
Philip H. Sheridan	Prescott street, East Boston	10,100	74,000	84,100
Phillips Brooks	Quincy and Perth streets, Dorchester	13,300	125,000	138,300
Phineas Bates	Beech street, West Roxbury	2,200	28,000	30,200
Pierpont	Hudson street, city	7,900	22,100	30,000
Plummer	Belmont street, East Boston	21,000	89,000	110,000
Polk Street	Polk street, Charlestown	7,700	82,300	90,000
Pormort	Snelling place, city	6,600	9,400	16,000

Prescott	Elm street, Charlestown	7,100	26,400	33,500
Prescott Annex	Elm street, Charlestown			[4]
Prince	Newbury street, city	137,800	132,000	269,800
Public Latin	Warren avenue, city			[5]
Quincy	Tyler street, city	36,000	69,000	105,000
Quincy E. Dickerman	Magnolia street, Dorchester	8,800	88,000	96,800
Quincy Street	Quincy street, Dorchester	5,700	4,900	10,600
Rice	Dartmouth street, city	74,600	65,000	139,600
Richard C. Humphreys	Sumner street, Dorchester			[6]
Richard Olney	Hastings street, West Roxbury	9,200	58,000	67,200
Robert Gould Shaw	Mt. Vernon street, West Roxbury	9,800	182,300	192,100
Robert Swan	Thetford avenue and Evans street, Dorchester	8,400	37,000	45,400
Rochambeau	Gibson street, Dorchester	8,400	143,300	151,700
Roger Clap	Harvest street, Dorchester	8,600	67,000	75,600
Roger Wolcott	Morton and Norfolk streets, Mattapan	11,100	137,000	148,100
Roxbury High	Warren street, Roxbury	27,700	384,000	411,700
Samuel Adams	Webster street, East Boston	24,000	143,000	167,400
Samuel Dexter	Harvard street, Charlestown	8,600	11,400	20,000
Samuel G. Howe	Fifth street, South Boston	8,700	43,000	51,700
Samuel W. Mason	Norfolk avenue, Roxbury	14,000	118,000	132,000
Sarah Greenwood	Glenway and Harvard streets, Dorchester	30,700	275,400	306,100

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[1] Assessed under Oliver Wendell Holmes. [2] Assessed under Mather. [3] Assessed under Normal Group. [4] Assessed under Prescott. [5] Assessed under English High. [6] Assessed under Old Edward Everett.

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— *Continued.*

NAME.	Location.	Land, Estimated Valuation.	Building, Estimated Valuation.	Total Assessed Valuation.
Sarah J. Baker	Perrin street, Roxbury	$13,800	$161,000	$174,800
Savin Hill	Savin Hill avenue, Dorchester	7,000	13,700	20,700
School Street	School street, Roxbury			[1]
Sharp	Anderson street, city	23,800	19,200	43,000
Sherwin	Madison square, Roxbury	25,600	103,000	128,600
Shurtleff	Dorchester street, South Boston	30,400	75,000	105,400
Simonds	Broadway, South Boston			[2]
Skinner	Fayette street, city	26,600	26,400	53,000
Smith Street	Smith street, Roxbury	4,200	1,000	5,200
Somerset Street	Somerset street, corner Allston street, city	75,600	8,400	84,000
South Boston High	Thomas park, South Boston	47,800	343,700	391,500
Stephen M. Weld	Seymour street, West Roxbury	4,000	47,000	51,000
Stoughton	River street, Dorchester	3,700	15,000	18,700
School Committee Building	Mason street, city	307,400	12,600	320,000
Tappan	Lexington street, East Boston	6,900	48,600	55,500
Theodore Lyman	Paris and Gove streets, East Boston	21,000	114,000	135,000
Thomas Dwight	Phillips street, Roxbury	14,200	35,000	49,200
Thomas Gardner	Athol and Brentwood streets, Brighton	10,900	140,000	150,900
Thomas Gardner Annex	Athol street, Brighton			[3]

Thomas N. Hart	East Fifth street, South Boston	10,500	131,000	141,500
Thomas Starr King	Bunker Hill street, Charlestown	....	....	[4]
Thornton Street	Thornton street, Roxbury	2,000	1,000	3,000
Trade School for Girls	620 Massachusetts avenue, city	22,200	22,900	45,100
Trescott	Tileston avenue, Hyde Park	4,200	49,000	53,200
Tyler Street	Tyler street, city	21,600	20,000	41,600
Ulysses S. Grant	Paris street, East Boston	22,000	116,500	138,500
Wait	Shawmut avenue, city	49,000	28,000	77,000
Walnut Street	Walnut street, Neponset	4,600	10,000	14,600
Warren	Summer street, Charlestown	17,200	45,000	62,200
Washington	Norman street, city	74,600	325,500	400,100
Washington Allston	Cambridge street, Brighton[1]	26,800	50,000	76,800
Washington Allston Annex	Cambridge street, Brighton	....	....	[5]
Washington Street	Washington street, Forest Hills	3,300	1,000	4,300
Way Street	Way street, near Harrison avenue, city	4,400	5,000	9,400
Weld	Highland street, Hyde Park	2,200	5,400	7,600
Wells	Blossom street, city	39,400	60,500	99,900
Wendell Phillips	Phillips street, city	53,500	40,200	93,700
West Roxbury High	Elm street, Jamaica Plain	20,000	130,000	150,000
William Bacon	Vernon street, Roxbury	23,100	80,000	103,100
William Blackstone	Blossom street, city	65,000	174,000	239,000

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[1] Assessed under George Putnam.

[2] Assessed under Hawes Hall.

[3] Assessed under Thomas Gardner.

[4] Assessed under Bunker Hill.

Assessed under Washington Allston.

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— *Concluded.*

NAME.	Location.	Land, Estimated Valuation.	Building, Estimated Valuation.	Total Assessed Valuation.
William Bradford	Willowwood street, Dorchester	$5,300	$42,000	$47,300
William Brewster	Morton street, Mattapan	8,900	26,100	35,000
William Brewster Annex	Morton street, Mattapan	....	....	[1]
William C. Bryant	Kenilworth street, Roxbury	3,500	30,000	33,500
William E. Endicott	McLellan street, Dorchester	19,400	94,500	113,900
William E. Russell	Columbia road, Dorchester	39,300	188,000	227,300
William Eustis	George street, Roxbury	12,300	21,600	33,900
William H. Kent	Moulton street, Charlestown	8,000	53,500	61,500
William Lloyd Garrison	Hutchings street, Roxbury	18,000	157,000	175,000
William Wirt Warren	Waverly street, Brighton	3,500	40,000	43,500
Williams	Homestead street, Roxbury	10,500	40,000	50,500
Winchell	Blossom street, city	61,600	115,000	176,600
Winship	Dighton street, Brighton	7,600	116,000	123,600
Winthrop Street	Winthrop street, Roxbury	4,900	1,000	5,900
W. L. P. Boardman	Munroe street, Roxbury	9,400	53,000	62,400
Wyman	Wyman street, Jamaica Plain	12,200	42,000	54,200

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[1] Assessed under William Brewster.

Vacant Lots and Portable Buildings.

NAME.	Location.	Land, Estimated Valuation.	Building, Estimated Valuation.	Total. Assessed Valuation.
25 Warrenton street	City	$7,100	$2,800	$9,900
Avenue Louis Pasteur	Roxbury	114,000		114,000
Washington and Stimson streets	Germantown	800		800
Grove street lot	West Roxbury	800		800
Everett street lot	Dorchester	3,800	3,000	6,800
Rosewood street lot	Dorchester	3,300	500	3,800
Brainerd road	Brighton	6,500		6,500
Washington street and Corey road	Brighton	9,000		9,000
Union street	Brighton	10,000		10,000
Frankfort, Porter and Lubec streets	East Boston	13,500		13,500
105 old style portables			210,000	210,000
56 new style portables			112,000	112,000

Grand Totals.

LETTERS.	Land, Estimated Valuation.	Building, Estimated Valuation.	Total Assessed Valuation.
A	$303,900	$895,800	$1,199,700
B	359,300	1,449,400	1,808,700
C	468,400	1,445,800	1,914,200
D	190,900	1,000,000	1,190,900
E	488,700	1,746,200	2,234,900
F	166,100	654,100	820,200
G	222,200	976,200	1,198,400
H	536,700	2,014,400	2,551,100
I	13,600	54,000	67,600
J	194,900	1,196,700	1,391,600
L	136,900	522,300	659,200
M	399,500	1,897,600	2,297,100
N	265,700	945,800	1,211,500
O	62,600	413,300	475,900
P	447,100	1,101,800	1,548,900
Q	50,500	161,900	212,400
R	157,800	1,073,600	1,231,400
S	656,300	1,416,800	2,073,100
T	113,500	561,500	675,000
U	22,000	116,500	138,500
W	606,400	1,974,300	2,580,700
Vacant lots	168,800	6,300	175,100
Portable buildings	....	346,000	346,000
Grand Totals	$6,031,800	$21,970,300	$28,002,100

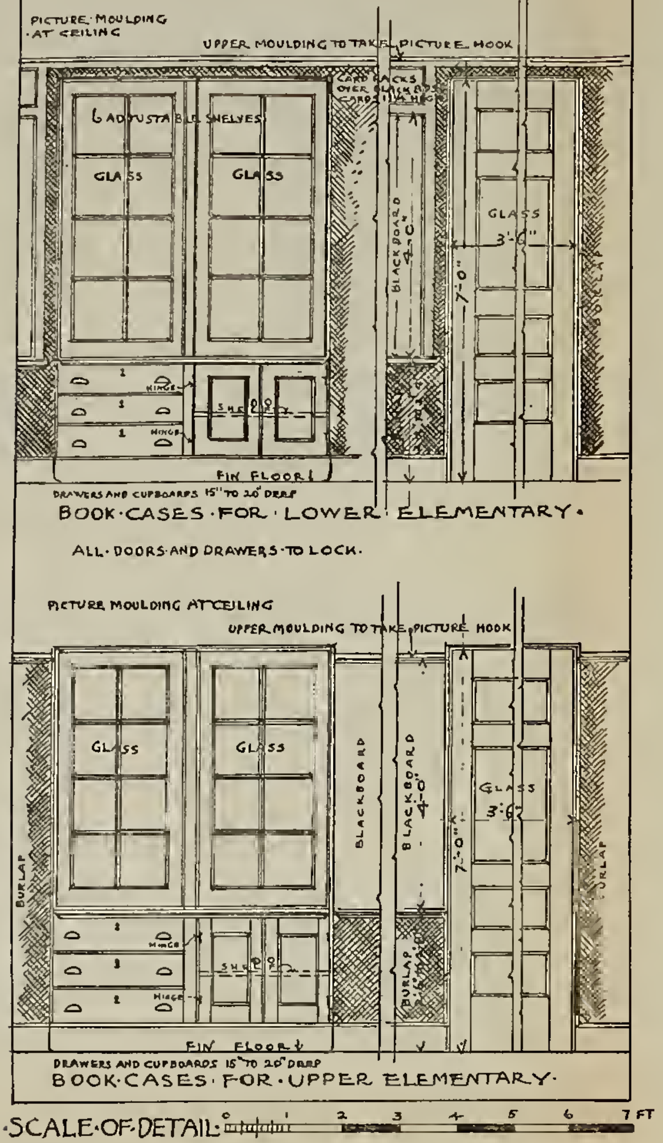
ALLIED PRINTING TRADES UNION LABEL COUNCIL BOSTON MASS

APPENDIX IX.

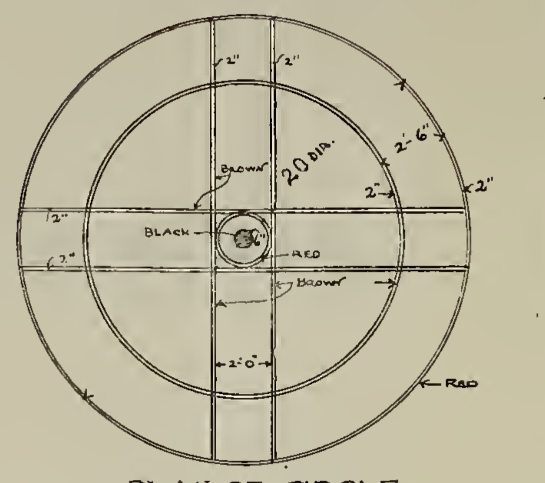
STANDARDS · OF · GENERAL · DETAIL ·

· CITY · OF · BOSTON · SCHOOLHOUSE · DEPARTMENT ·

· BOOK · CASES ·

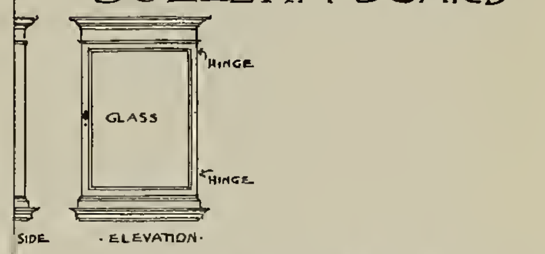

PICTURE MOULDING AT CEILING
UPPER MOULDING TO TAKE PICTURE HOOK
CARD RACKS OVER BLACKBDS CARDS 11" HIGH
6 ADJUSTABLE SHELVES
GLASS
GLASS
GLASS
3'-6"
7'-0"
BLACKBOARD 4'-0"
BURLAP
HINGE
HINGE
SHELF
FIN FLOOR
DRAWERS AND CUPBOARDS 15" TO 20" DEEP
BOOK · CASES · FOR · LOWER · ELEMENTARY ·
ALL · DOORS · AND DRAWERS · TO LOCK ·
PICTURE MOULDING AT CEILING
UPPER MOULDING TO TAKE PICTURE HOOK
GLASS
GLASS
GLASS
3'-6"
7'-0"
BLACKBOARD
BLACKBOARD 4'-0"
BURLAP
BURLAP
BURLAP
HINGE
HINGE
SHELF
FIN FLOOR
DRAWERS AND CUPBOARDS 15" TO 20" DEEP
BOOK · CASES · FOR · UPPER ELEMENTARY ·
· SCALE · OF · DETAIL · 0 1 2 3 4 5 6 7 FT

· KINDERGARTEN · CIRCLE ·

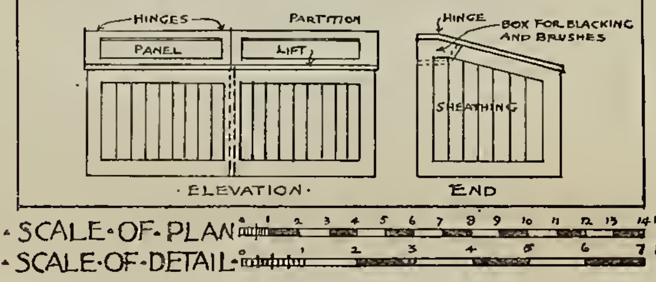


· PLAN · OF · CIRCLE ·

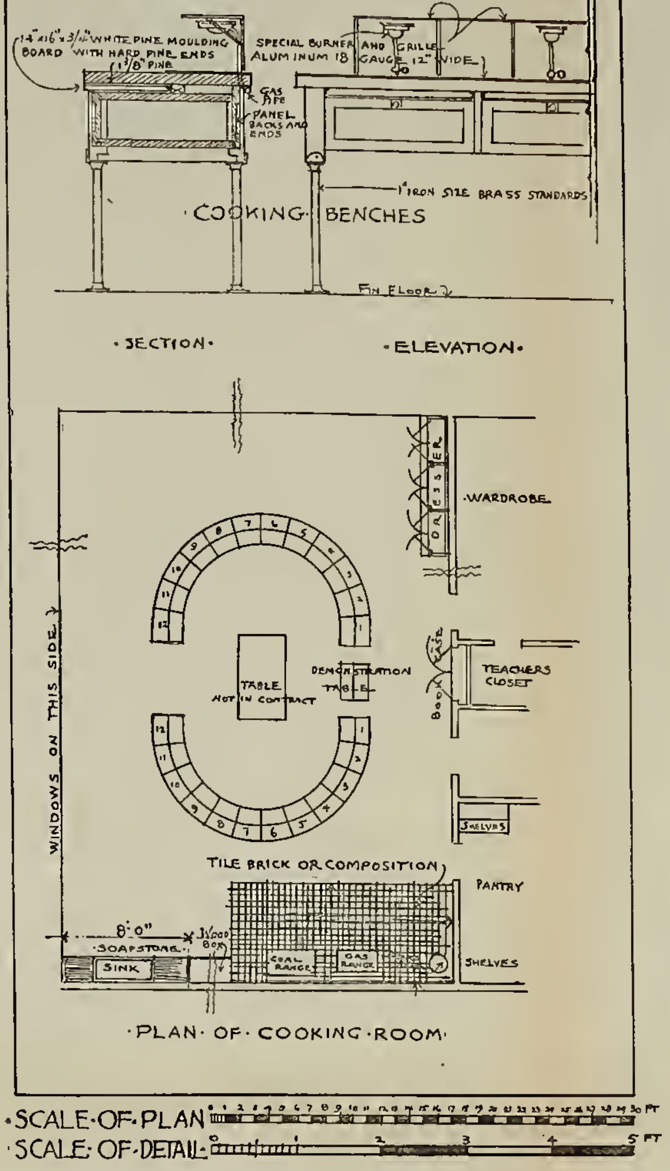
· BULLETIN · BOARD ·



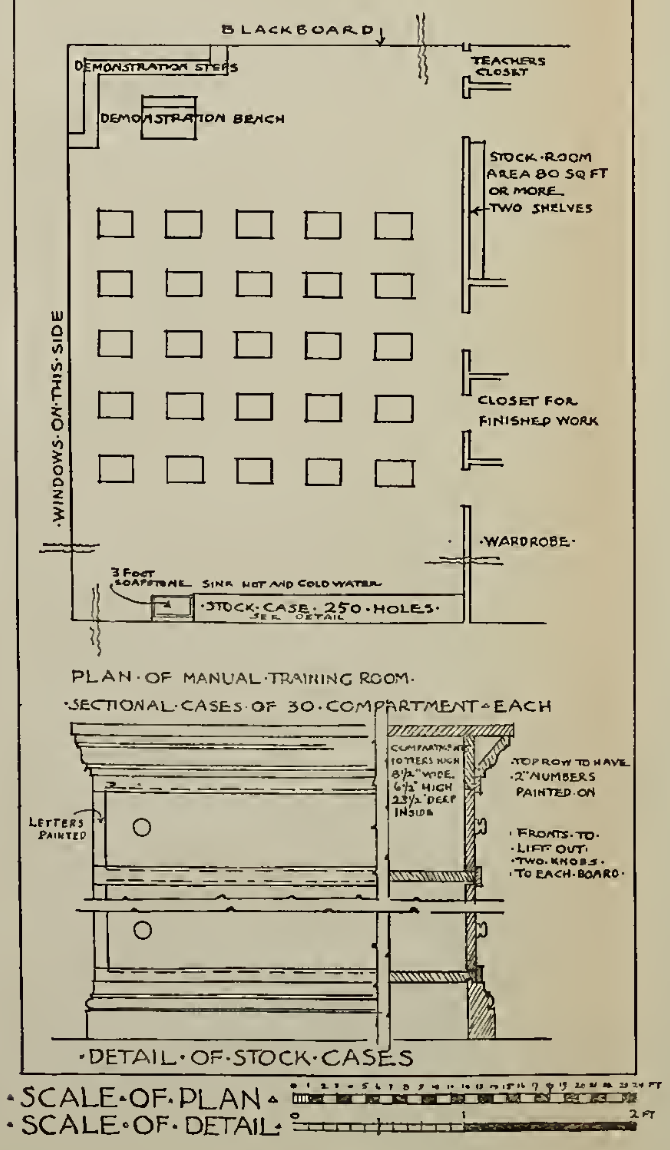
· COAL · AND · WOOD · BOX ·


HINGES
PARTITION
PANEL
LIFT
HINGE
BOX FOR BLACKING AND BRUSHES
SHEATHING
· ELEVATION ·
END
· SCALE · OF · PLAN 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 FT
· SCALE · OF · DETAIL 0 1 2 3 4 5 6 7 FT

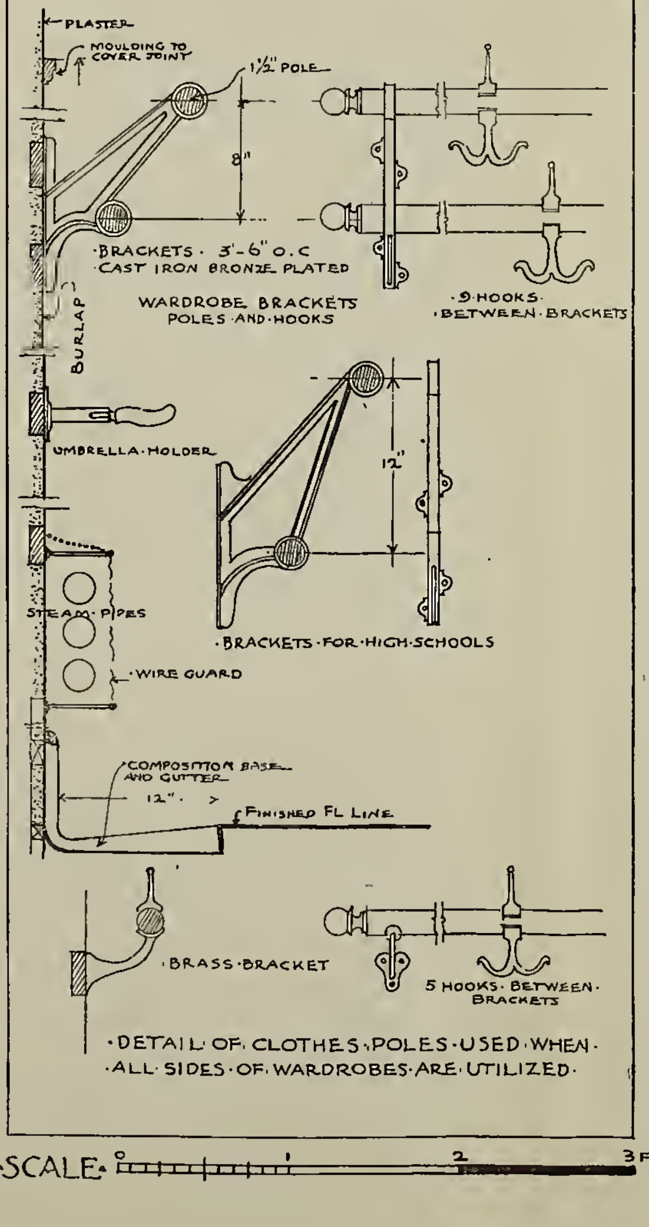
· COOKING · ROOM · AND · FITTINGS ·


14" x 16" x 3/4" WHITE PINE MOULDING BOARD WITH HARD PINE ENDS
1 3/8" PINE
SPECIAL BURNER AND GRILLE ALUMINUM 18 GAUGE 12" WIDE
GAS PIPE
PANEL BACKS AND ENDS
1" IRON SIZE BRASS STANDARDS
· COOKING · BENCHES
FIN FLOOR
· SECTION ·
· ELEVATION ·
WARDROBE
DRESSER
WINDOWS ON THIS SIDE
TABLE NOT IN CONTRACT
DEMONSTRATION TABLE
BOOKS
TEACHERS CLOSET
SHELVES
TILE BRICK OR COMPOSITION
PANTRY
8'-0"
SOAPSTONE
WOOD BOX
SINK
COAL RANGE
GAS RANGE
SHELVES
· PLAN · OF · COOKING · ROOM ·
· SCALE · OF · PLAN 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 FT
· SCALE · OF · DETAIL 0 1 2 3 4 5 FT

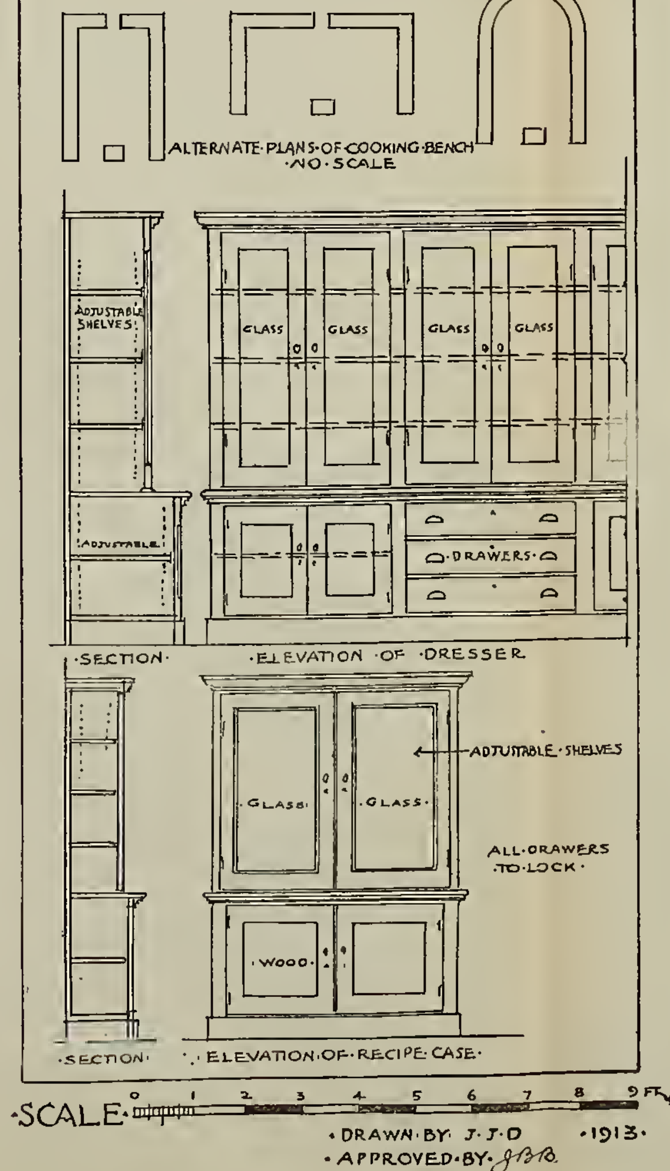
· MANUAL · TRAINING · ROOM ·


BLACKBOARD
DEMONSTRATION STEPS
TEACHERS CLOSET
DEMONSTRATION BENCH
STOCK · ROOM AREA 80 SQ FT OR MORE TWO SHELVES
· WINDOWS · ON · THIS · SIDE
CLOSET FOR FINISHED WORK
· WARDROBE ·
3 FOOT SOAPSTONE SINK HOT AND COLD WATER
· STOCK · CASE · 250 · HOLES · SEE DETAIL
PLAN · OF · MANUAL · TRAINING · ROOM ·
· SECTIONAL · CASES · OF · 30 · COMPARTMENT · EACH
COMPARTMENTS 10 TIERS HIGH 8 1/2" WIDE 6 1/2" HIGH 23 1/2" DEEP INSIDE
· TOP ROW TO HAVE · 2" NUMBERS PAINTED · ON
LETTERS PAINTED
· FRONTS · TO · · LIFT OUT · · TWO · KNOBS · · TO EACH · BOARD ·
· DETAIL · OF · STOCK · CASES
· SCALE · OF · PLAN · 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 FT
· SCALE · OF · DETAIL · 0 1 2 FT

· WARDROBE · FITTINGS ·


PLASTER
MOULDING TO COVER JOINT
1 1/2" POLE
8"
· BRACKETS · 3'-6" O.C CAST IRON BRONZE PLATED
WARDROBE BRACKETS POLES AND HOOKS
· 9 HOOKS · · BETWEEN · BRACKETS
BURLAP
UMBRELLA · HOLDER
12"
STEAM · PIPES
· BRACKETS · FOR · HIGH · SCHOOLS
· WIRE GUARD
COMPOSITION BASE AND GUTTER
12"
FINISHED FL LINE
· BRASS · BRACKET
5 HOOKS · BETWEEN · BRACKETS
· DETAIL · OF · CLOTHES · POLES · USED · WHEN · · ALL · SIDES · OF · WARDROBES · ARE · UTILIZED ·
· SCALE · 0 1 2 3 FT

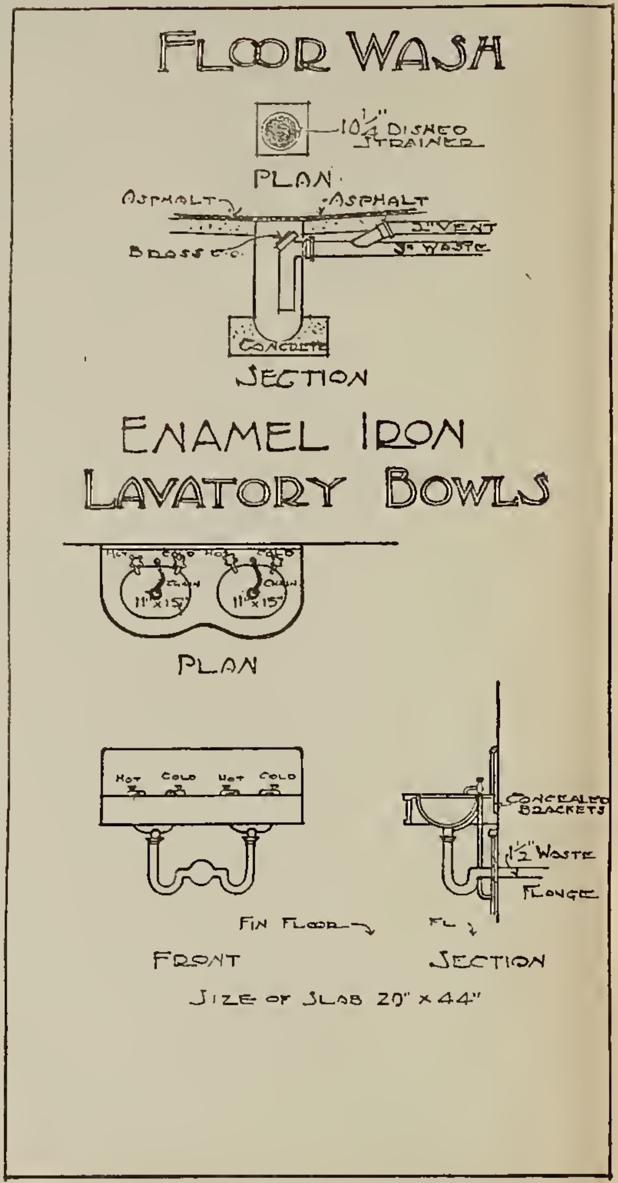
· COOKING · ROOM · FITTINGS ·


ALTERNATE · PLANS · OF · COOKING · BENCH · NO · SCALE
ADJUSTABLE SHELVES
GLASS
GLASS
GLASS
GLASS
· ADJUSTABLE ·
· DRAWERS ·
· SECTION ·
· ELEVATION · OF · DRESSER
ADJUSTABLE · SHELVES
· GLASS ·
· GLASS ·
ALL · DRAWERS · TO · LOCK ·
· WOOD ·
· SECTION ·
· ELEVATION · OF · RECIPE · CASE ·
· SCALE · 0 1 2 3 4 5 6 7 8 9 FT

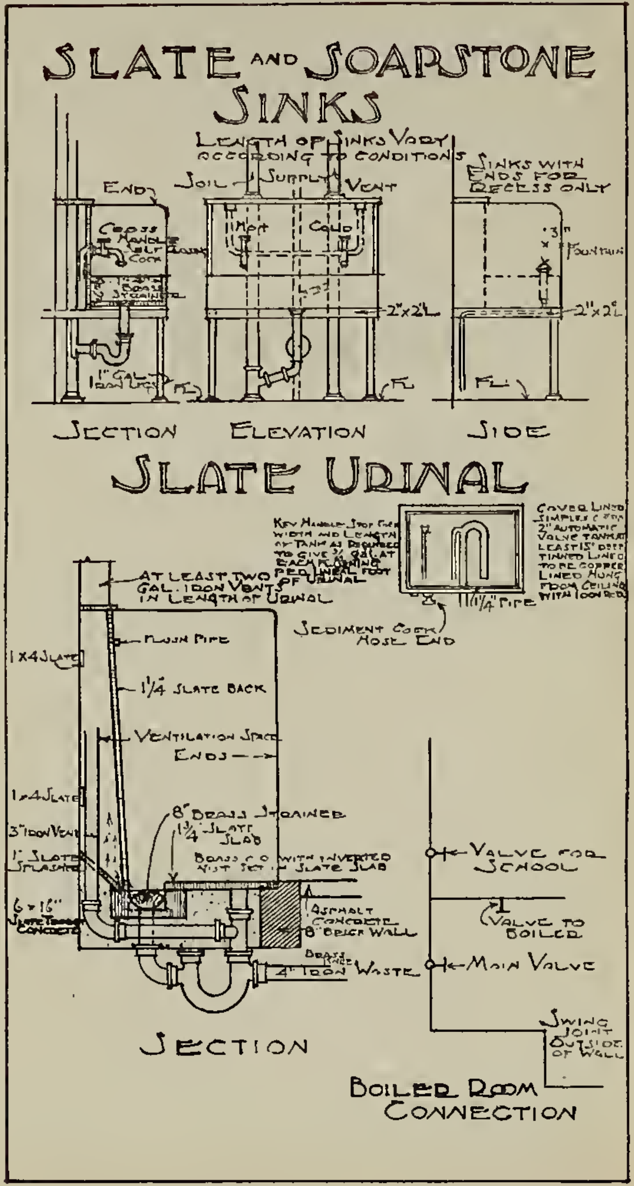
· DRAWN · BY · J · J · D · 1913 ·
· APPROVED · BY · J.B.B.

APPENDIX X.

PLUMBING STANDARDS

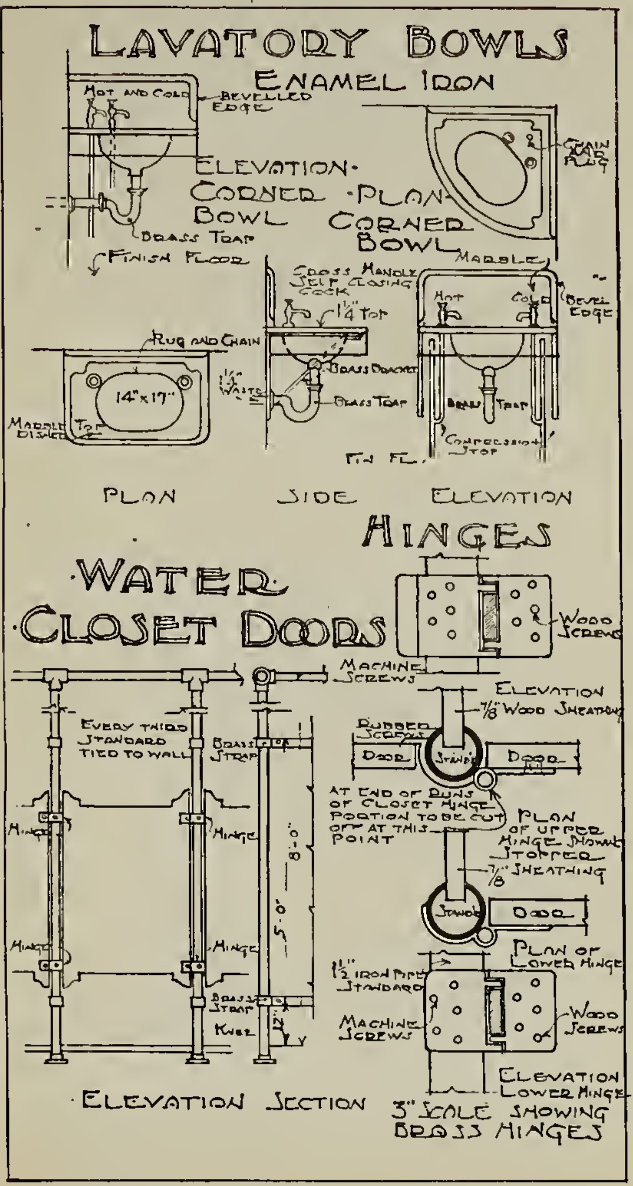

FLOOR WASH

ENAMEL IRON LAVATORY BOWLS


SLATE AND SOAPSTONE SINKS

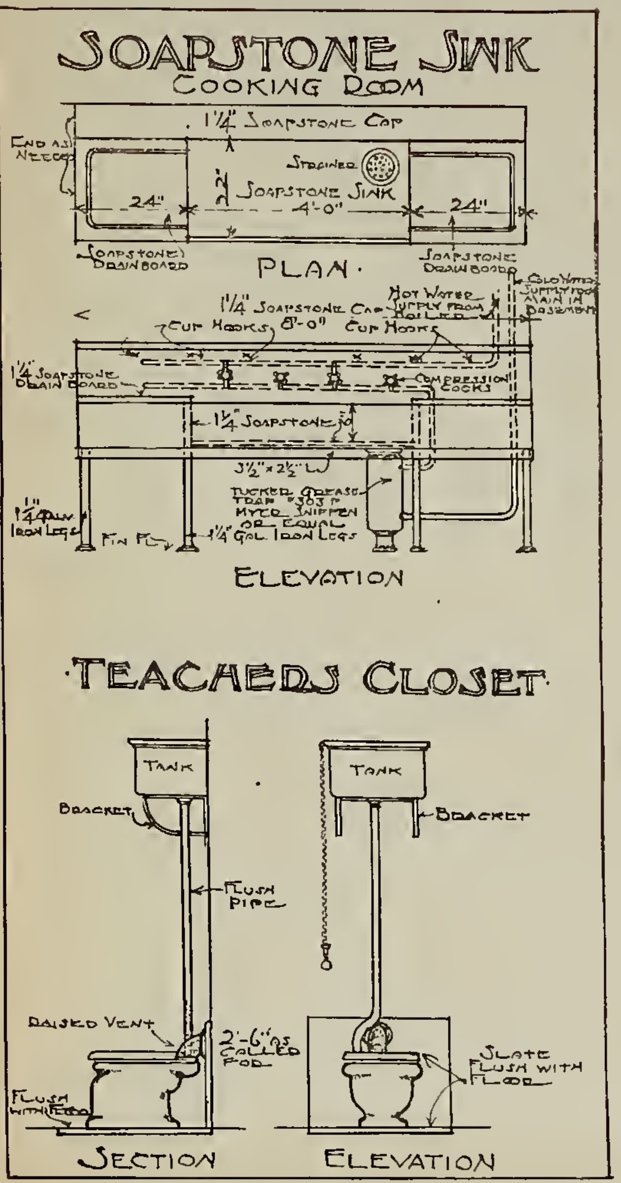
SLATE URINAL

Length of Sinks Vary according to Conditions
Sinks with Ends for Recess only
End
Soil
Supply
Vent
Cross Handle Self Closing Cock
Brass Strainer
Hot
Cold
2"x2"L
2"x2"L
Fountain
1" Gal. Iron Legs
FL
FL
FL
Section
Elevation
Side
Key Handle Stop Cock width and Length of Tank as Required to give ¾ Gal. at each Flushing per Lineal Foot of Urinal
Cover Lined Simplex or 2" Automatic Valve Tank at least 15" deep Tinned Lined to be Copper Lined Hung from Ceiling with Iron Rods
1¼" Pipe
Sediment Cock Hose End
At least two Gal. Iron Vents in Length of Urinal
Flush Pipe
1x4 Slate
1¼ Slate Back
Ventilation Space
Ends
1x4 Slate
3" Iron Vent
1" Slate Splashes
6x16" Slate Tread Concrete
8" Brass Strainer
1¼" Slate Slab
Brass C.O. with Inverted Nut Set in Slate Slab
Asphalt Concrete
8" Brick Wall
Brass Trap
4" Iron Waste
Section
Valve for School
Valve to Boiler
Main Valve
Swing Joint Outside of Wall
Boiler Room Connection

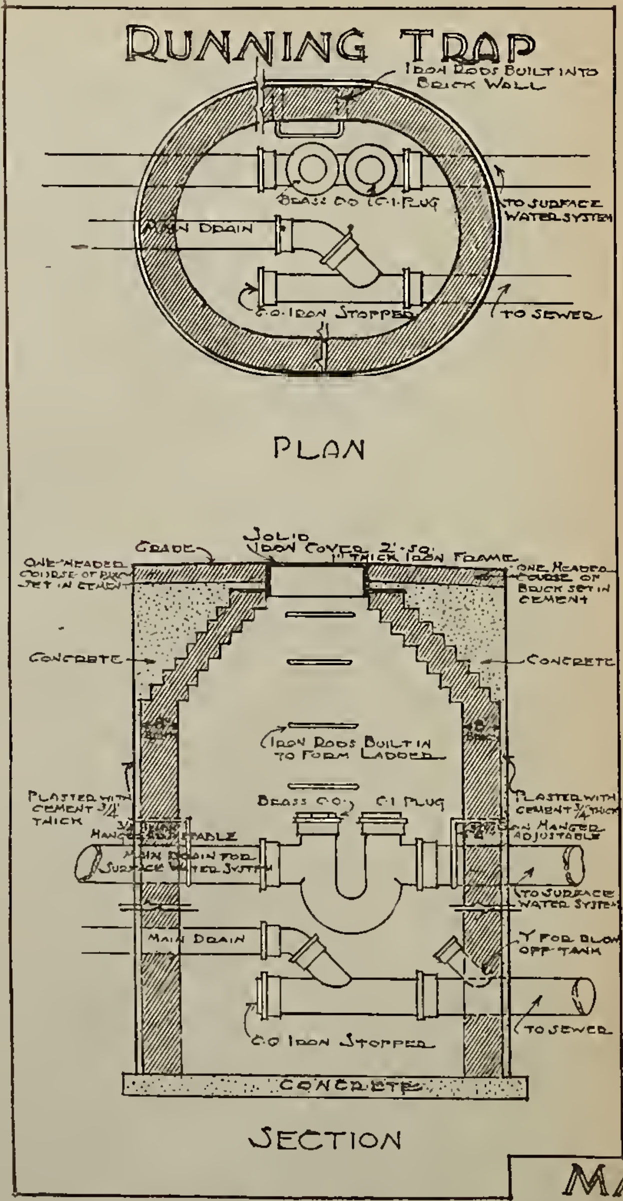

LAVATORY BOWLS ENAMEL IRON

HINGES

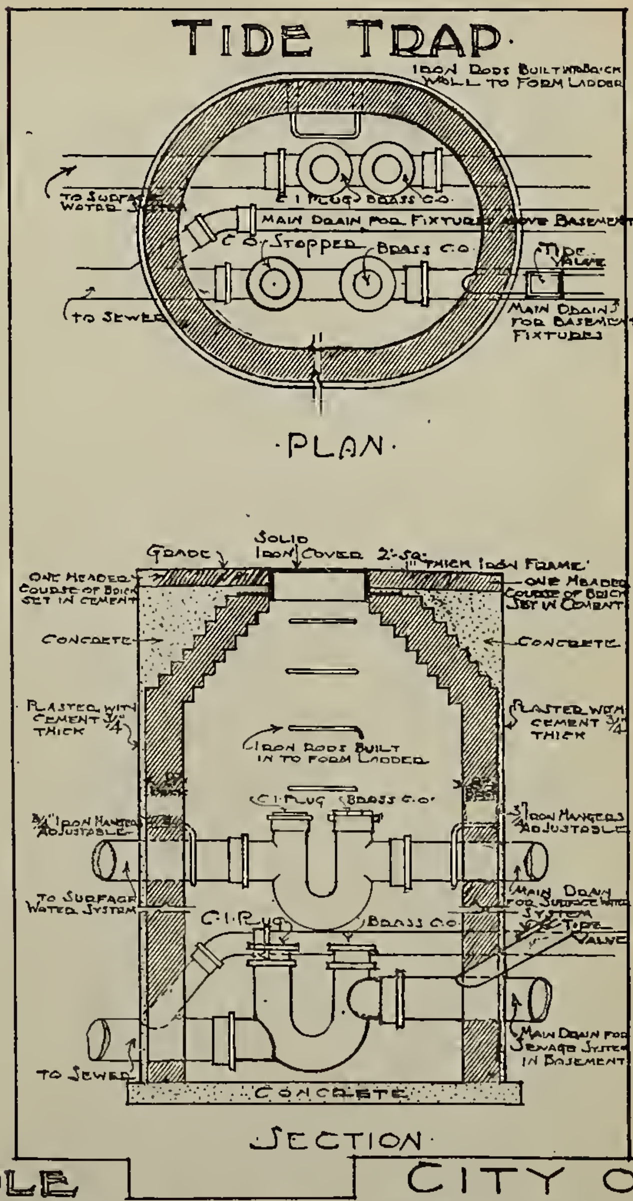
WATER CLOSET DOORS


SOAPSTONE SINK COOKING ROOM

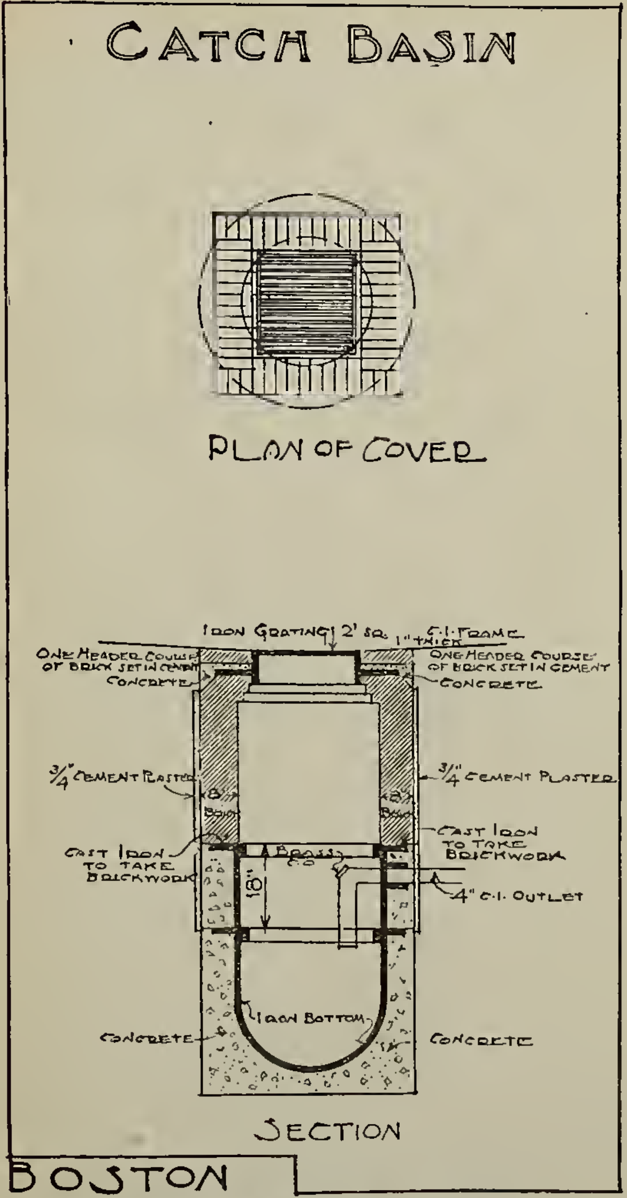
TEACHERS CLOSET


RUNNING TRAP

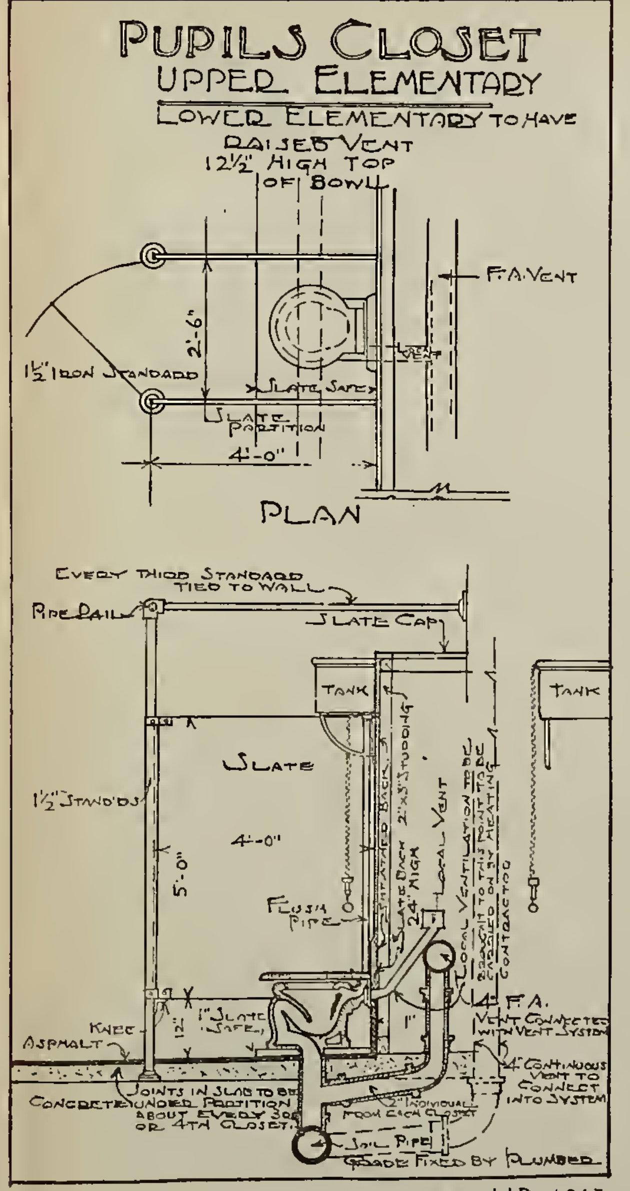
Iron Rods Built into Brick Wall
Brass C.O.
C.I. Plug
To Surface Water System
Main Drain
C.O. Iron Stopper
To Sewer
Plan
Grade
Solid Iron Cover 2'-sq.
1" Thick Iron Frame
One Headed Course of Brick Set in Cement
One Headed Course of Brick Set in Cement
Concrete
Concrete
8" Brick
8" Brick
Iron Rods Built in to Form Ladder
Plaster with Cement ¾" Thick
Plaster with Cement ¾" Thick
Brass C.O.
C.I. Plug
¾" Iron Hangers Adjustable
¾" Iron Hanger Adjustable
Main Drain for Surface Water System
To Surface Water System
Main Drain
Y for Blow off Tank
C.O. Iron Stopper
To Sewer
Concrete
Section


TIDE TRAP

Iron Rods Built into Brick Wall to Form Ladder
To Surface Water System
C.I. Plug
Brass C.O.
Main Drain for Fixtures above Basement
C.O. Stopper
Brass C.O.
Tide Valve
To Sewer
Main Drains for Basement Fixtures
Plan
Grade
Solid Iron Cover 2'-sq.
1" Thick Iron Frame
One Headed Course of Brick Set in Cement
One Headed Course of Brick Set in Cement
Concrete
Concrete
Plaster with Cement ¾" Thick
Plaster with Cement ¾" Thick
Iron Rods Built in to Form Ladder
8" Brick
8" Brick
C.I. Plug
Brass C.O.
¾" Iron Hangers Adjustable
¾" Iron Hangers Adjustable
To Surface Water System
Main Drain for Surface Water System
C.I. Plug
Brass C.O.
Tide Valve
Main Drain for Sewage System in Basement
To Sewer
Concrete
Section


CATCH BASIN

MAN HOLE


PUPILS CLOSET UPPER ELEMENTARY

LOWER ELEMENTARY TO HAVE RAISED VENT 12½" HIGH TOP OF BOWL

F.A. Vent
2'-6"
1½" Iron Standard
Local Vent
Slate Safe
Slate Partition
4'-0"
Plan
Every third Standard Tied to Wall
Pipe Rail
Slate Cap
Tank
Tank
Slate
1½" Stand'ds
4'-0"
5'-0"
Flush Pipe
Shiplapped Back
2"x3" Studding
Slate Back 24" High
Local Vent
Local Ventilation to be Brought to this Point to be Carried on by Heating Contractor
4" F.A. Vent Connected with Vent System
1"
1" Slate Safe
12"
Knee
Asphalt
4" Continuous Vent to Connect into System
Joints in Slab to be under Partition about every 3rd or 4th Closet
Concrete
2" Individual from each Closet
Soil Pipe
Grade Fixed by Plumber

SCALE 0 1 2 3 4 5 6 7 8 FT.

CITY OF BOSTON

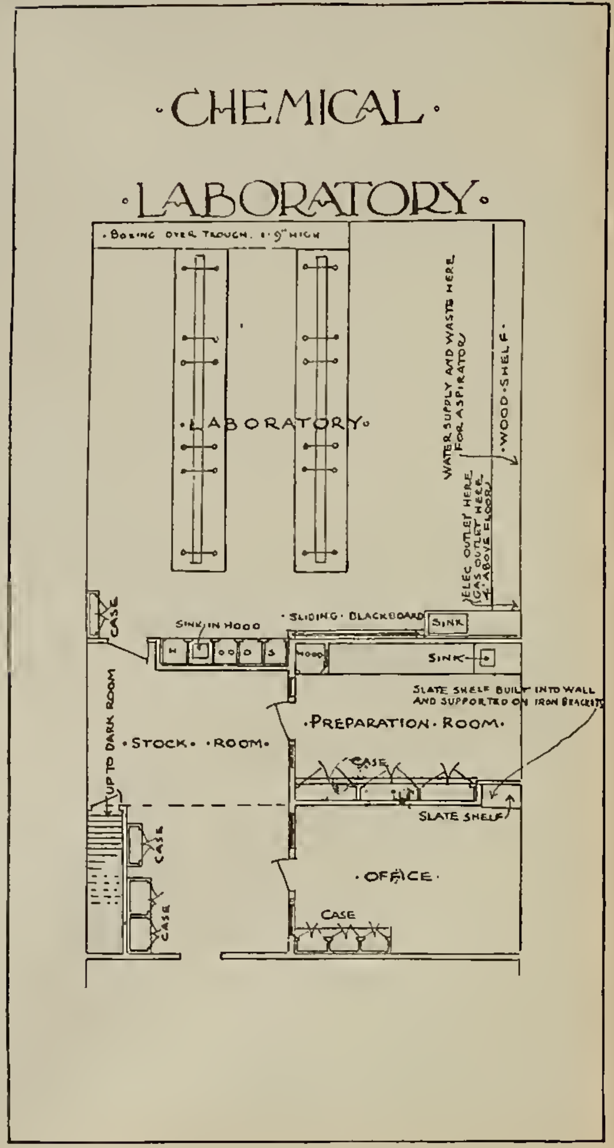
SCHOOLHOUSE DEPARTMENT

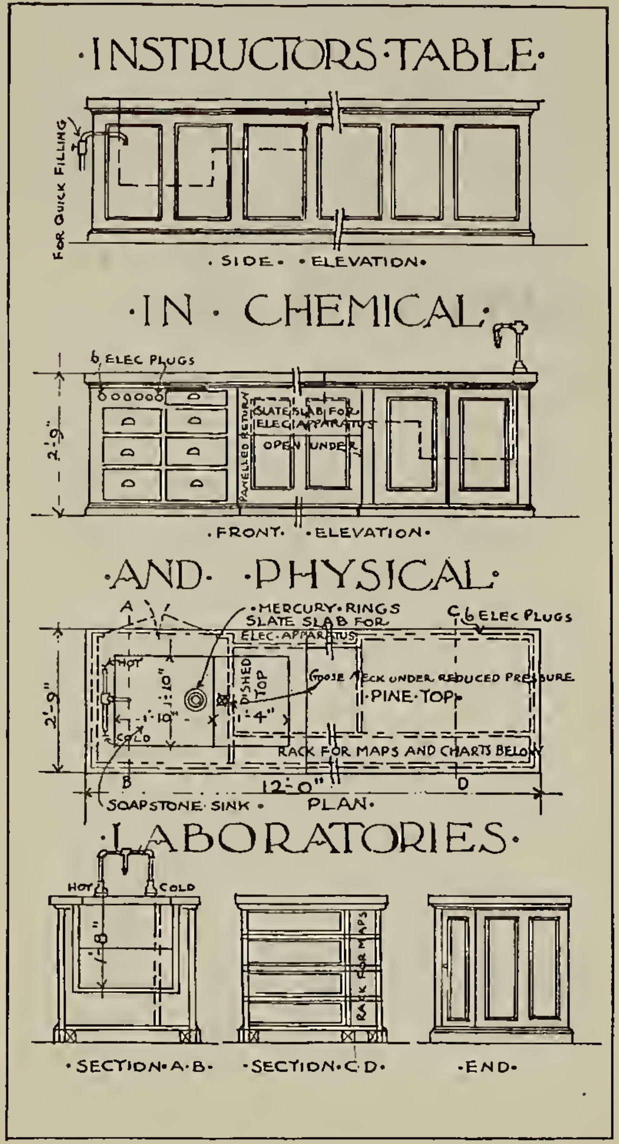
DRAWN BY J.J.D. 1913.
TRACED BY E.R. 1917.
APPROVED " P. J. Givens

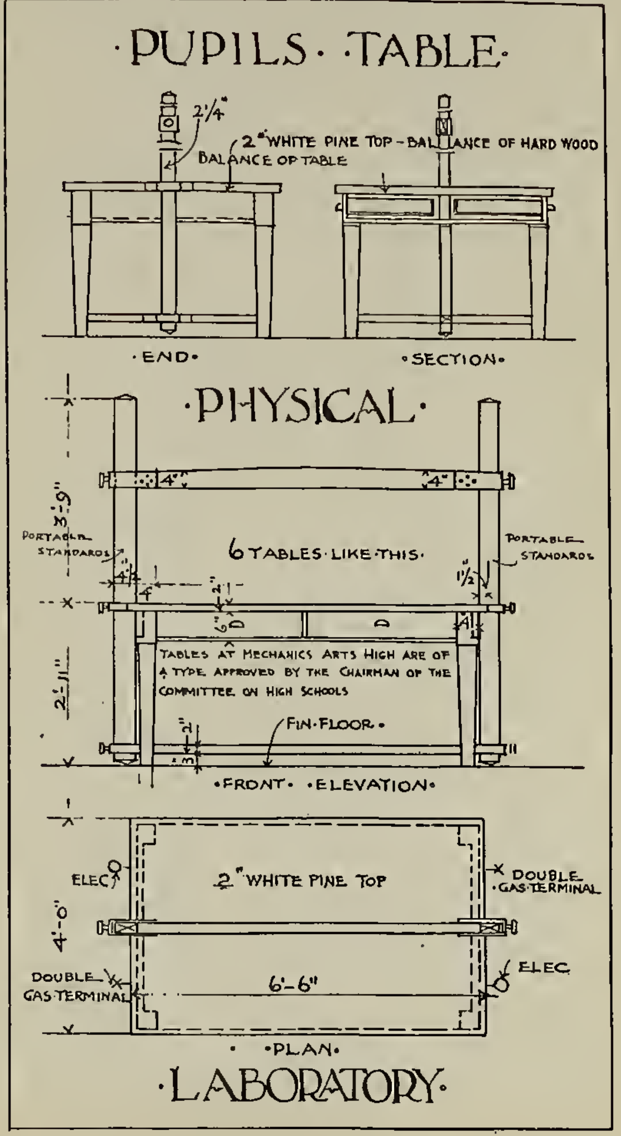
APPENDIX XI.

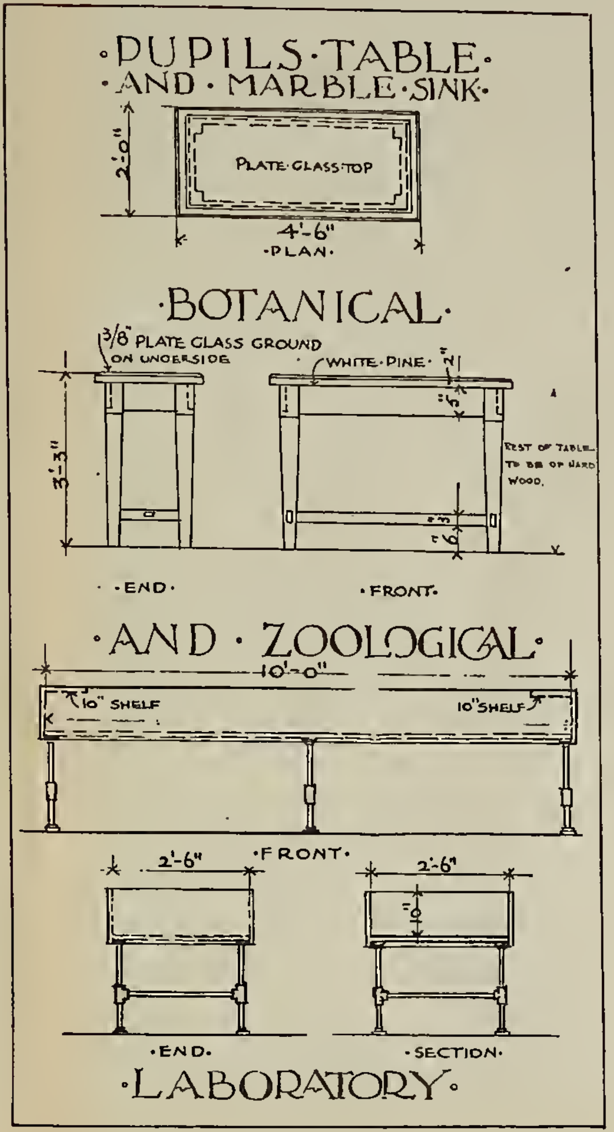
·HIGH· ·SCHOOL· ·STANDARD· ·FITTINGS·

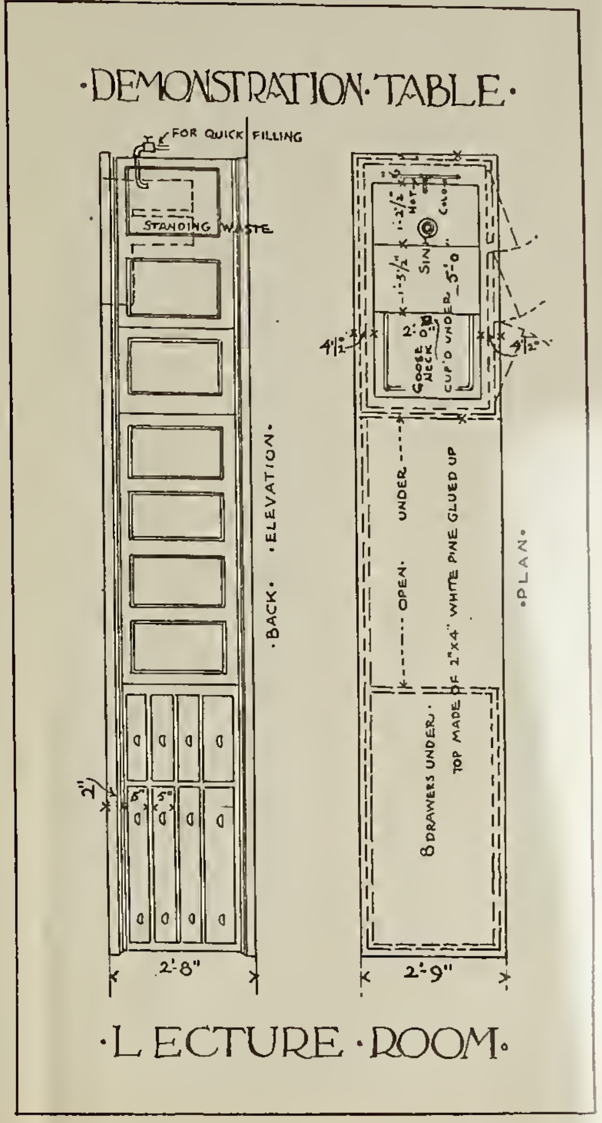
·CITY· OF·BOSTON·
·SCHOOLHOUSE·DEPARTMENT·

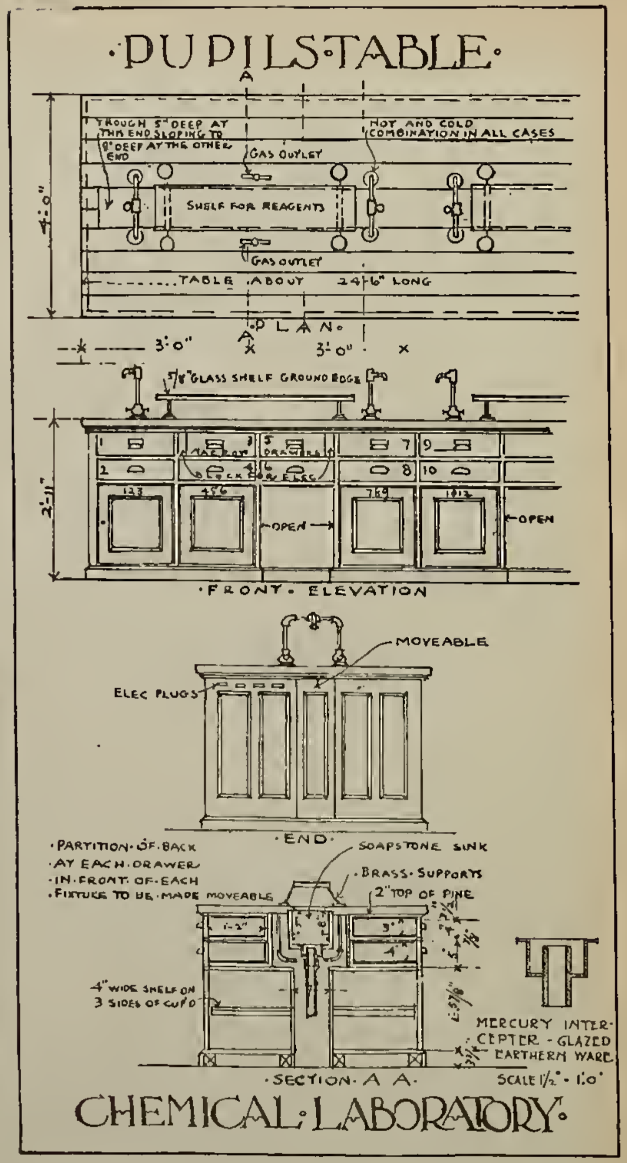

·CHEMICAL· ·LABORATORY·

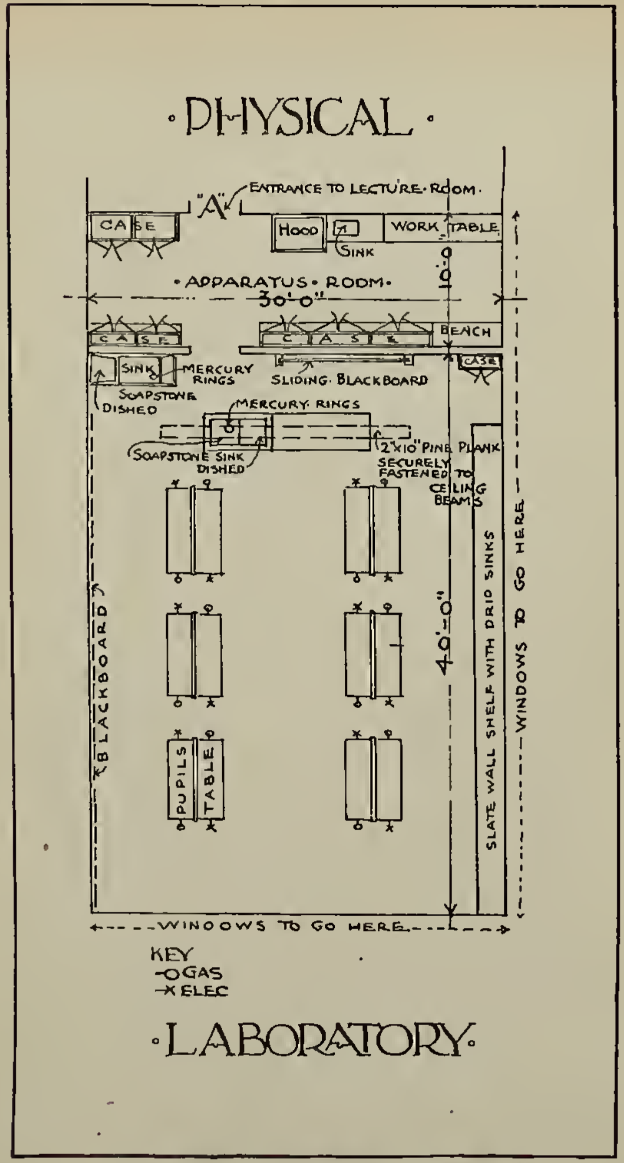

·INSTRUCTORS·TABLE· ·IN· CHEMICAL· ·AND· ·PHYSICAL· ·LABORATORIES·
FOR QUICK FILLING
·SIDE· ·ELEVATION·
6 ELEC PLUGS
SLATE SLAB FOR ELEC APPARATUS
OPEN UNDER
2'-9"
·FRONT· ·ELEVATION·
MERCURY RINGS
SLATE SLAB FOR ELEC APPARATUS
6 ELEC PLUGS
GOOSE NECK UNDER REDUCED PRESSURE
PINE TOP
RACK FOR MAPS AND CHARTS BELOW
12'-0"
SOAPSTONE SINK
·PLAN·
HOT
COLD
·SECTION·A·B· ·SECTION·C·D· ·END·

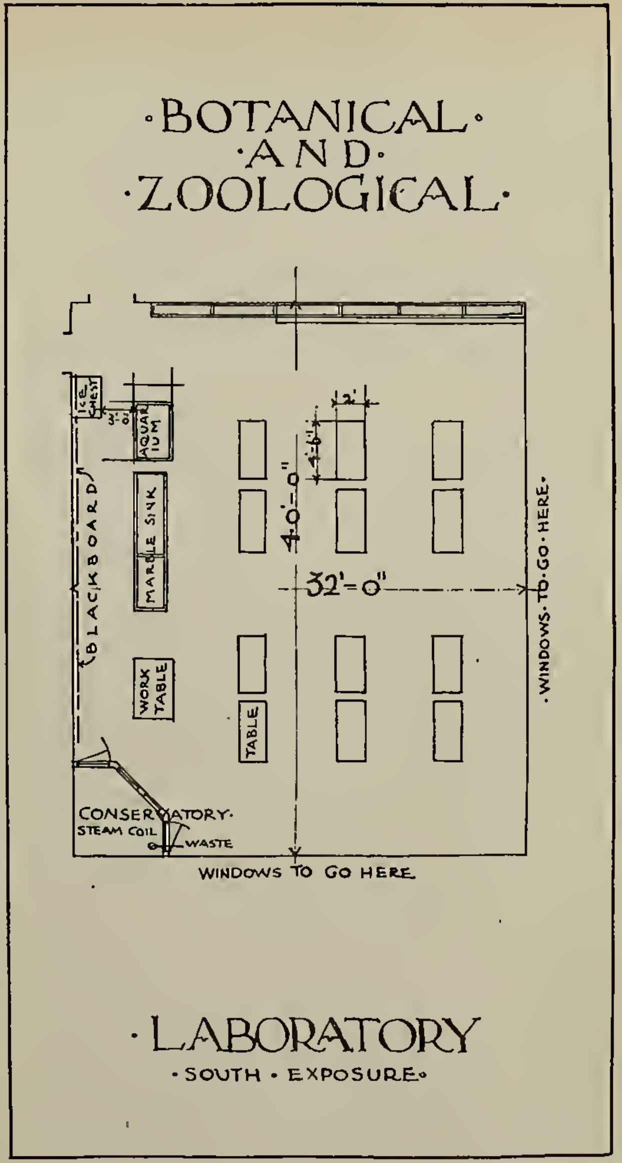

·PUPILS· ·TABLE· ·PHYSICAL· ·LABORATORY·

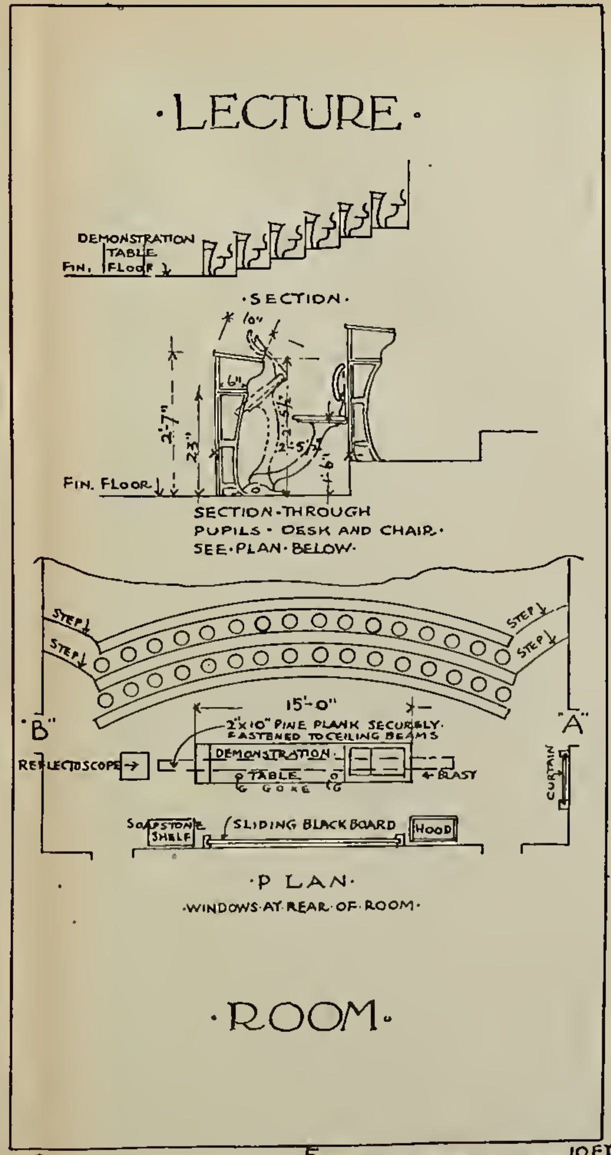

·PUPILS·TABLE· ·AND· MARBLE·SINK· ·BOTANICAL· ·AND· ZOOLOGICAL· ·LABORATORY·

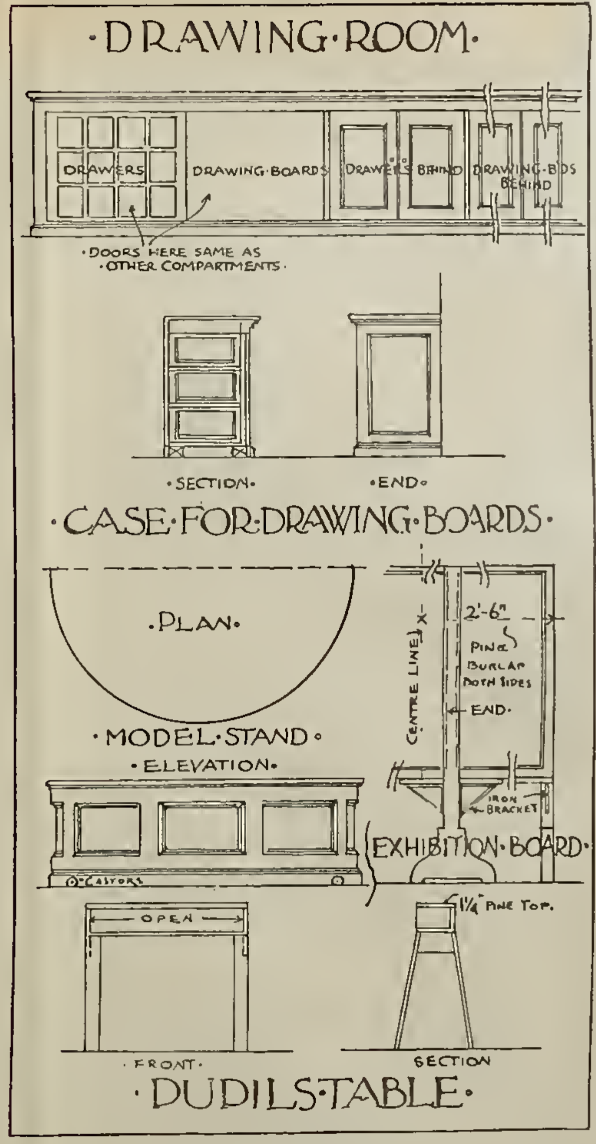

·DEMONSTRATION·TABLE· ·LECTURE·ROOM·


·PUPILS·TABLE· CHEMICAL·LABORATORY·
TROUGH 5" DEEP AT THE END SLOPING TO 8" DEEP AT THE OTHER END
HOT AND COLD COMBINATION IN ALL CASES
GAS OUTLET
SHELF FOR REAGENTS
TABLE ABOUT 24'6" LONG
4'-0"
·PLAN·
3'-0"
7/8" GLASS SHELF GROUND EDGE
OPEN
·FRONT· ELEVATION
MOVEABLE
ELEC PLUGS
·END·
·PARTITION·OF·BACK ·AT·EACH·DRAWER ·IN·FRONT·OF·EACH ·FIXTURE TO BE MADE MOVEABLE
SOAPSTONE SINK
·BRASS·SUPPORTS
2" TOP OF PINE
4" WIDE SHELF ON 3 SIDES OF CUP'D
MERCURY INTERCEPTOR · GLAZED EARTHERN WARE
·SECTION· A A·
SCALE 1/2" = 1'0"


·PHYSICAL· ·LABORATORY·


·BOTANICAL· ·AND· ·ZOOLOGICAL· ·LABORATORY· ·SOUTH· EXPOSURE·


·LECTURE· ·ROOM·


·DRAWING·ROOM· ·CASE·FOR·DRAWING·BOARDS· ·PUPILS·TABLE·

0 5 10 15 20 25 30 FT
·SCALE· OF ·PLANS·

0 5 10 FT
·SCALE·OF·DETAILS·

APPENDIX XII.

DESCRIPTIVE SCHEDULE OF PERMANENT SCHOOL BUILDINGS, FEBRUARY 1, 1920.

Date of Completion.	Name.	District.	Architect.	Description.	Location of Lot.	Area of Lot.	Cost of Lot.	Area of Building.	Cubical Contents of Building.	Cost of Building.	Cost per Cubic Foot.	Rated No. of Pupils.	Cost per Pupil.
1870	Aaron Davis 12 Rooms P.	Dearborn	Charles A. Cummings	2d Class, 3 Stories	Yeoman st., Rox.	18,200	$17,100 00	5,080	273,010	$44,872 62	$0 16	600	$74 79
1893	Abby W. May 6 " P.	Dillaway	E. M. Wheelwright	2d " 2 "	Thornton st., Rox.	11,052	5,545 30	4,510	219,027	41,060 08	0 19	300	136 87
1911	Abraham Lincoln 40 " G.	Abraham Lincoln	A. W. Longfellow	1st " 4 "	Fayette st.	41,415	174,992 13	17,778	1,149,645	280,088 43	0 24	1,820	153 89
1886	Abram E. Cutter 4 " P.	Prescott	George A. Clough	3d " 2 "	Medford st., Chsn.	12,112		2,508	93,354	12,972 44	0 14	200	64 80
1861	Adams-street 2 Rooms P.	Gilbert Stuart		3d " 2 "	Adams st., Dor.	44,555		1,570				100	
1893	Agassiz 14 " G.	Agassiz	E. M. Wheelwright	2d " 3 "	Brewer st., J. P.	42,241		9,681	620,611	90,184 23	0 16	700	141 69
1895	Albert Palmer 6 " P.	Dearborn	E. M. Wheelwright	2d " 2 "	Eustis st., Rox.	16,165		4,721	228,001	45,500 00	0 20	300	151 67
1895	Amos Webster 4 " P.	Elihu Greenwood	Fred A. Hall	3d " 2 "	Hilton st., H. P.	11,383	3,404 79	2,985	126,955	7,698 04	0 07	200	38 49
1896	Andrews [9–27–1] 15 Rooms P.	Quincy	E. M. Wheelwright	1st [22] " 3 "	Genesee st.	14,350	56,176 20	6,725	388,720	[1] 114,966 03	0 30	714	161 02
1877	Asa Gray 8 " P.	Hyde	George A. Clough	2d " 2 "	Weston st., Rox.	14,973		5,860	276,036	38,068 98	0 14	400	95 17
1872	Atherton 8 " P.	Christopher Gibson	Bryant & Rogers	2d " 2 "	Columbia rd., Dor.	24,751	11,289 15	5,210	250,080	48,022 50	0 19	400	120 00
1856	Auburn 4 " P.	Thomas Gardner		3d " 2 "	School st., Bri.	12,340		1,490	90,034			200	
1910	Audubon 9 Rooms P.	Roger Wolcott	James E. McLaughlin	1st " 2 "	Harvard st., Dor.	41,156	4,850 16	7,310	300,451	134,099 78	0 45	412	325 48
1849	Austin 6 " P.	Theodore Lyman	Gridley J. F. Bryant	2d " 3 "	Paris st., E. B.	4,040	2,982 00	1,033	101,247			300	
1880	Bailey-street 4 " P.	Henry L. Pierce		3d " 2 "	Bailey st., Dor.	33,838	11,079 75	2,170	105,101			200	151 28
1864	Baldwin 6 " P.	Washington		2d " 3 "	Chardon ct.	6,139	12,278 00	2,276		13,488 00		300	44 96
1892	B. F. Tweed 6 Rooms P.	Bunker Hill	E. M. Wheelwright	2d " 2 "	Cambridge st., Chsn.	16,727	14,246 30	4,530	194,162	39,991 05	0 21	300	133 30
1912	Benedict Fenwick 12 " P.	John Winthrop	James E. McLaughlin	2d " 2 "	Magnolia st., Dor.	50,820	Trans. from St. Dept.	7,861	318,402	62,881 45	0 20	547	114 96
1897	Benjamin Cushing 8 " P.	Mather	A. Warren Gould	2d " 2 "	Robinson st., Dor.	25,032	$10,000 00	6,467	310,981	60,435 31	0 19	400	151 09
1899	Benjamin Dean 8 " P.	Thomas N. Hart	William H. Besarick	2d " 2 "	H st., S. B.	11,477	Incl. in Thos. N. Hart Lot.	5,593	230,171	42,987 28	0 18	400	107 47
1883	Benjamin Pope 8 Rooms P.	Gaston	C. J. Bateman	2d " 2 "	O st., S. B.	20,000	$6,000 00	5,370	268,582	45,507 37	0 17	400	113 77
1874	Bennett 7 " G.	Bennett	J. Foster Ober	2d " 3 "	Chestnut Hill ave., Bri.	27,631	12,824 50	5,906	381,160	74,516 84	0 20	350	212 91
1886	Bennett Branch 6 " G.	Bennett	George A. Clough	2d " 2 "	Dighton st., Bri.	9,605	4,846 70	3,098	103,874			300	
1901	Bigelow 19 " G.	Bigelow	C. J. Bateman	2d " 3 "	West Fourth st., S. B.	26,704	48,468 21	13,365	842,147	170,260 58	0 21	950	188 70
1892	Blackinton [3] 18 Rooms G.	John Cheverus	E. M. Wheelwright	2d " 2 "	Blackinton st., Orient Heights, E. B.	58,768		12,235	502,528	124,101 10	0 25	770	161 17
1917	Boston Trade T.		James E. McLaughlin	1st " 3 "	Parker and Archibald sts., Rox.	144,458		30,362	1,221,524	285,431 04	0 23		
1892	Bowditch [4] 15 Rooms G.	Bowditch	H. H. Atwood	2d " 3 "	Green st., J. P.	23,055		9,363	594,992	104,579 01	0 18	750	139 44
1896	Bowdoin 10 " G.	Bowdoin	E. M. Wheelwright	2d " 3 "	Myrtle st.	10,777	38,120 84	8,460	584,057	109,187 91	0 19	800	136 46
1895	Brighton High [13]		E. M. Wheelwright	2d " 3 "	Cambridge st., Bri.	83,234	40,837 05	10,088	1,020,163	222,200 41	0 22		
1866	Bunker Hill 14 Rooms G.	Bunker Hill		2d " 4 "	Baldwin st., Chsn.	10,960		5,580	407,898			700	
1894	Butler [22–3] 1 Room	Elihu Greenwood		3d " 1 Story	East River st., H. P.	3,960	[23]	715					
1864	Canterbury-street 2 Rooms P.	Charles Sumner		3d " 2 Stories	Canterbury st., W. R.	20,121		1,346	51,578			100	
1871	Capen 6 Rooms P.	Thomas N. Hart	Cummings & Sears	2d " 3 "	Sixth st., S. B.	12,354	6,145 31	3,361	173,092	34,716 35	0 20	300	115 72
1901	Chapman [13] 17 " G.	Chapman	Greenleaf & Cobb	2d " 3 "	Eutaw st., E. B.	20,150	22,460 00	12,131	742,107	[14] 130,044 83	0 18	850	154 05
1911	Charles Bulfinch 12 " P.	Comins	Charles Greco	2d " 2 "	Parker st. and Fisher ave., Rox.	39,052	19,528 00	8,210	361,201	78,925 73	0 22	538	146 50
1891	Charles C. Perkins 10 " P.	Prince	H. H. Atwood	2d " 2 "	St. Botolph st.	16,000	30,386 45	7,720	364,842	76,500 00	0 21	500	153 00
1847	Charles E. Daniels 4 Rooms P.	Warren		2d " 2 "	Mead st., Chsn.	5,857		1,738	69,346			200	
1877	Charles Sumner 10 " G.	Charles Sumner	G. A. Clough	2d " 3 "	Ashland st., Ros.	30,000	9,000 00	6,142	361,812	50,252 35	0 14	500	100 50
1907	Charlestown High		Stickney & Austin	1st " 4 "	Monument sq., Chsn.	10,380	57,734 98	16,204	1,098,603	296,055 70	0 27	540	548 25
1872	Chestnut-avenue 2 Rooms P.	Bowditch		3d " 2 "	Chestnut ave., J. P.	13,733		1,403	58,779			100	
1894	Choate Burnham 9 Rooms P.	Frederic W. Lincoln	E. M. Wheelwright	2d " 2 "	East Third st., S. B.	17,136	9,277 40	5,896	280,420	60,887 10	0 22	450	135 30
1904	Christopher Columbus 24 " P.	Eliot	Winslow & Bigelow	1st " 3 "	Tileston st.	12,858		11,427	748,519	173,512 08	0 21	1,110	156 32
1895	Christopher Gibson 14 " G.	Christopher Gibson	E. M. Wheelwright	2d " 3 "	Bowdoin ave., Dor.	30,620		14,208	702,370	111,029 53	0 14	700	158 61
1871	Clinch 6 " P.	Shurtleff	Bryant & Rogers	2d " 3 "	F st., S. B.	13,492	4,500 00	2,970	161,107	33,628 09	0 20	300	112 10
1856	Comins 13 Rooms G.	Comins	Richards & Park	2d " 4 "	Tremont st., Rox.	22,169		4,865	348,357			650	
1856	Commodore Barry 13 " G.	Samuel Adams	Joseph R. Richards	2d " 3 "	Belmont sq., E. B.	21,000	9,950 00	5,027	444,417			650	
1907	Common Building [52]		Peabody & Stearns Maginnis, Walsh & Sullivan Coolidge & Carlson	1st " 2 "	Tremont Entrance to the Fenway, Rox.	Normal Lot.		9,000	550,720	128,461 10	0 23		[53]
1843	Continuation T.			2d " 3 "	Common st.	11,401	21,260 00	3,034	286,395				
1901	Copley 8 Rooms P.	Warren	James Mulcahy	2d " 2 "	Bartlett st., Chsn.	16,115	38,609 13	6,115	296,769	64,770 96	0 22	400	161 04
1859	Cottage-place 4 " K.	Comins		3d " 2 "	Cottage pl., Rox.	7,091		2,008	86,480			200	
1894	Cudworth [4] 11 " P.	Theodore Lyman	E. M. Wheelwright	2d " 2 "	Grove st., E. B.	25,000	20,711 14	8,360	403,360	[4] 71,185 31	0 17	550	129 43
1867	Cushman 16 Rooms P.	Hancock	Gridley J. F. Bryant	2d " 4 "	Parmenter st.	Hancock Lot.		5,150	364,105	57,723 27	0 16	800	72 15
1880	Cyrus Alger 8 " P.	Norcross	George A. Clough	2d " 2 "	Seventh st., S. B.	16,560	7,038 00	5,600	290,090	48,872 08	0 17	400	122 18
1871	Damon 8 Rooms G. and P.	Henry Grew	S. J. F. Thayer	3d " 2 "	Readville st., H. P.	46,600	1,977 92	5,360	249,544	20,012 25	0 08	400	50 03
1905	Dearborn [13] 21 Rooms G.	Dearborn	Edwin J. Lewis	1st " 3 "	Ambrose st., Rox.	50,597		15,592	980,948	217,131 32	0 22	1,110	195 61
1882	Dillaway 12 Rooms G.	Dillaway	George A. Clough	2d " 3 "	Kenilworth st., Rox.	22,824	34,238 10	8,030	497,778	78,974 16	0 16	600	131 62
1852	Dorchester-avenue 4 " P.	Mary Hemenway		3d " 2 "	Dorchester ave., Dor.	34,400		2,650	113,791			200	
1901	Dorchester High [16–22]		Hartwell, Richardson & Driver	1st [22] " 3 "	Talbot ave., Dor.	77,550		34,293	2,307,518	456,046 78	0 20		
1869	Drake 6 Rooms P.	Lawrence	Bryant & Rogers	2d " 3 "	C st., S. B.	10,260	8,000 00	2,582	152,596	33,872 04	0 22	300	112 91
1874	Dudley 14 Rooms G.	Dudley	L. Weissbein	2d " 3 "	Dudley and Putnam sts., Rox.	26,339	8,000 00	12,070	772,480	132,480 05	0 17	700	189 26
1857	Dwight 14 " G.	Dwight		2d " 4 "	West Springfield st.	19,125	22,025 00	5,531	413,166	40,338 95	0 10	700	57 63
1901	East Boston High		John Lyman Faxon	1st " 3 "	Marion st., E. B.	27,500	63,180 27	21,477	1,080,041	281,040 57	0 26		
1911	Edmund P. Tileston [14] 16 Rooms G.	Edmund P. Tileston	Charles K. Cummings	2d " 2 "	Norfolk st., Mat.	83,040	2,075 00	17,548	679,514	132,178 10	0 20	724	182 57
1909	Edward Everett 14 Rooms G.	Edward Everett	E. T. P. Graham	1st " 2 "	Pleasant st., Dor.	67,138	21,029 50	10,000	511,633	107,515 43	0 21	614	175 17
1870	Elbridge Smith 8 " P.	Mary Hemenway	George Ropes, Jr.	2d " 3 "	Centre st., Dor.	50,340		4,666	220,086			400	
1887	Elihu Greenwood [24] 9 Rooms G. and P.	Elihu Greenwood	C. J. Bateman	3d " 3 "	Metropolitan ave., H. P.	45,750	[31]	5,422	337,951	22,000 00	0 07	450	48 88
1838	Eliot 14 Rooms G.	Eliot	Gridley J. F. Bryant	2d " 4 "	North Bennet st.	11,077		5,673	402,519			700	
1861	Elizabeth Peabody 9 Rooms P.	Wells		2d " 3 "	Poplar st.	5,024	7,000 00	2,155	123,050			300	
1913	Ellen H. Richards 8 " P.	Gilbert Stuart	William H. Besarick	2d " 1 Story	Beaumont st., Dor.	31,013	4,507 01	7,042	225,437	44,589 76	0 20	366	121 83
1904	Ellis Mendell 12 " P.	George Putnam	Andrews, Jacques & Rantoul	1st " 2 Stories	School st., W. R.	35,491	13,841 49	10,896	529,094	122,267 20	0 21	612	199 78
1865	Emerson 16 " G.	Emerson		2d " 3 "	Prescott st., E. B.	30,052	8,000 00	8,610	560,282	101,585 76	0 18	800	126 98
1918	Emily A. Fifield 16 Rooms P.	Henry L. Pierce	Harrison H. Atwood	1st " 2 "	Dunbar ave., Dor.	37,850	4,542 00	10,493	437,871	165,280 38	0 38	704	234 77
1880	English High [4]		George A. Clough	2d " 3 "	Montgomery st.	85,560	280,000 00	25,170	3,435,271	[4] 527,518 40	0 15		
1860	Everett [45] 16 Rooms G.	Everett		2d " 4 "	West Northampton st.	32,409		11,248	515,102	72,026 39	0 14	800	97 83
1871	Fairmount 9 Rooms G. and P.	Elihu Greenwood	S. J. F. Thayer	3d " 3 "	Williams ave., H. P.	44,330	2,438 15	5,454	324,881	25,545 44	0 08	450	56 76
1904	Farragut [22] 14 Rooms P.	Martin	Wheelwright & Haven	1st [22] " 2 "	Fenwood rd., Rox.	27,023	36,450 00	12,312	611,013	150,526 43	0 24	714	210 82
1914	Florence Nightingale 10 " P.	Oliver Wendell Holmes	Joseph J. Driscoll	2d " 2 "	West Park st., Dor.	59,707	13,046 50	6,636	256,715	60,305 14	0 24	391	154 39
1862	Florence-street 6 " P.	Charles Sumner		3d " 2 "	Florence st., Ros.	25,030		3,058	160,090			300	
1851	Frances E. Willard 6 " P.	Dwight		2d " 3 "	Rutland st.	7,850		2,440	117,608			300	
1899	Francis Parkman [30] 14 Rooms G.	Francis Parkman	Perkins & Betton	2d " 2 "	Walk Hill st., Forest Hills	40,210	9,000 00	11,102	466,737	121,930 08	0 26	700	174 18
1859	Franklin 14 " G.	Franklin	Joseph R. Richards	2d " 4 "	Waltham st.	16,439		5,490	432,020	40,845 67	0 09	700	58 35
1899	Frederic A. Whitney 8 " P.	Washington Allston	Whitman & Hood	2d " 2 "	Armington st., Bri.	10,761		7,058	342,776	47,880 49	0 14	400	119 70
1859	Frederic W. Lincoln 13 " G.	Frederic W. Lincoln	Gridley J. F. Bryant	2d " 4 "	Broadway, S. B.	24,500		5,020	446,228	48,270 89	0 11	650	74 26
1868	Freeman 6 Rooms P.	Eliot	Bryant & Rogers	2d " 3 "	Charter st.	5,247	12,089 07	2,350	141,760	28,127 62	0 20	300	93 76
1874	Frothingham 16 " G.	Frothingham	George A. Clough	2d " 3 "	Prospect st., Chsn.	22,070	41,158 00	9,383	575,918	78,956 89	0 14	800	98 70
1898	Frothingham Annex 2 " P.	Frothingham	Schoolhouse Agent Department	3d " 1 Story	Prospect st., Chsn.	Frothingham Lot.		2,173	37,151	2,905 04	0 08	100	29 06
1872	Gaston 14 " G.	Gaston	George A. Clough	2d " 3 Stories	East Fifth st., S. B.	35,358	24,703 70	10,940	656,400	104,101 57	0 16	700	148 72
1870	George Bancroft 12 Rooms P.	Rice	Emerson & Fehmer	2d " 3 "	Appleton st., near Dartmouth	18,454	28,465 26	5,600	336,770			600	
1914	George Frisbie Hoar 12 " P.	Norcross	H. L. Wardner	2d " 3 "	West Fifth st., near D st., S. B.	21,348	18,000 00	5,402	302,503	69,131 34	0 23	510	133 20
1880	George Putnam 10 " G.	George Putnam	George A. Clough	2d " 3 "	Columbus ave., near Egleston sq., Rox.	31,781	13,102 87	7,229	448,665	66,749 05	0 15	500	133 50
1912	George T. Angell 8 " P.	Sherwin	Schoolhouse Department	2d " 2 "	Harrison ave. and Hunneman st.	43,814	34,576 94	5,006	206,259	55,151 50	0 27	352	156 69
1863	Germantown [31] 4 Rooms P.	Robert Gould Shaw		3d " 2 "	Washington st., Germantown	22,684	3,200 00	2,448	86,108			188	
1896	Gilbert Stuart 14 " G.	Gilbert Stuart	E. M. Wheelwright	2d " 3 "	Richmond st., Dor.	31,147	13,048 00	9,306	599,282	114,059 58	0 19	700	162 94
1870	Girls' High [33]			2d " 4 "	West Newton st.	37,480	82,212 31	26,182	1,924,018	452,513 31	0 23		
1907	Girls' Latin [37]		Peabody & Stearns Maginnis, Walsh & Sullivan Coolidge & Carlson	1st " 3 "	Tremont Entrance to the Fenway, Rox.	Normal Lot.		17,382	1,103,502	253,750 30	0 23	600	[12] 495 19
1880	Glenway 2 Rooms P.	Oliver Wendell Holmes	George A. Clough	3d " 1 Story	Glenway st., Dor.	Wm. E. Endicott Lot.		2,184	52,207	3,108 98	0 06	100	31 69
1898	Glenway Annex 2 " P.	Oliver Wendell Holmes	Schoolhouse Agent Department	3d " 1 "	Glenway st., Dor.	Wm. E. Endicott Lot.		2,173	43,243	2,933 87	0 07	100	29 34
1852	Grant 4 " P.	Wendell Phillips		2d " 2 Stories	Phillips st.	3,714	4,677 50	2,021	81,032			200	
1847	Hancock 14 " G.	Hancock	Charles Roath	2d " 4 "	Parmenter st.	30,012		6,126	479,666			700	
1903	Hancock Annex 2 Rooms P.	Hancock	Schoolhouse Department	2d " 1 Story	Parmenter st.	Hancock Lot.		1,781	20,832	7,247 29	0 24	100	72 47
1883	Harbor View-street 4 " P.	William E. Russell	G. J. Bateman	3d " 2 Stories	Harbor View st., Dor.	27,808	20,000 00	2,825	103,442	15,032 64	0 15	200	75 16
1861	Harris 9 " P.	Mary Hemenway		3d " 3 "	Adams st., Dor.	37,150		5,805	296,030			450	
1871	Harvard 16 " G.	Harvard		2d " 3 "	Devens st., Chsn.	16,306		8,052	609,899			800	
1848	Harvard 4 Rooms P.	Thomas Gardner		2d " 2 "	North Harvard st., Bri.	20,750		2,400	94,368			200	
1823	Hawes Hall [3] 8 " P.	Bigelow		2d " 2 "	Broadway, S. B.	17,380	2,123 22	4,608	204,887			400	
1857	Heath-street 2 " P.	Jefferson		3d " 2 "	Heath st., Rox.	10,669		1,105				100	
1895	Hemenway [38] 2 " P.	Henry Grew	Fred A. Hall	3d " 1 Story	Wolcott st., H. P.	12,925	[28]	2,204	69,440	8,398 58	0 12	100	83 98
1871	Henry Grew 11 Rooms G. and P.	Henry Grew	S. J. F. Thayer	3d " 2 Stories	Gordon ave., H. P.	40,206	7,877 89	6,869	398,253	21,028 27	0 05	550	51 82
1891	Henry L. Pierce 12 Rooms G.	Henry L. Pierce	H. H. Atwood	2d " 2 "	Washington st., Dor.	64,430	13,268 40	14,030	845,320	118,094 03	0 14	600	196 82
1899	Henry Vane 4 " P.	Robert Gould Shaw	Beacon & Hill	2d " 2 "	Baker st., W. R.	21,000	2,703 75	3,716	169,689	29,835 23	0 18	200	149 18
1915	High School of Commerce		C. Howard Walker Kilham & Hopkins	1st " 3 "	Avenue Louis Pasteur, Rox.	108,726		35,445	1,971,019	480,472 44	0 24	1,600	300 30
1913	High School of Practical Arts [60]		J. A. Schweinfurth	1st " 4 "	Greenville st., Rox.	41,371	43,577 75	23,756	1,428,890	359,438 70	0 25		
1914	High School of Practical Arts Annex			3d " 3 "	High School of Practical Arts Lot			1,944	84,039	6,082 50	0 07		
1858	Hillside 9 Rooms P.	Bowditch		2d " 3 "	Elm st., J. P.	13,513		2,914	170,760			300	
1884	Hobart-street [11] 4 " P.	Bennett	A. H. Vinal	3d " 1 Story	Hobart st., Bri.	35,973	7,343 03	5,135	108,750	17,830 23	0 17	200	60 86
1890	Horace Mann S.		A. H. Vinal	2d " 3 Stories	Newbury st.	8,400	Leased free of rent	5,100	263,790	87,471 42	0 33		
1882	Howard-avenue 6 Rooms P.	John Winthrop	George A. Clough	2d " 2 "	Howard ave., Dor.	29,090	$13,048 65	4,244	205,360	40,097 17	0 20	300	136 66
1896	Howard-avenue Annex 2 " P.	John Winthrop	Schoolhouse Agent Department	3d " 1 Story	Howard ave., Dor.	Howard Ave. Lot.			35,090	2,014 23	0 06	100	20 14
1887	Hugh O'Brien 14 " G.	Hugh O'Brien	A. H. Vinal	2d " 3 Stories	Dudley and Langdon sts., Rox.	40,554		12,270	845,712	126,348 57	0 15	700	180 50
1896	Hugh O'Brien Annex 2 Rooms P.	Hugh O'Brien	Public Buildings Department	3d " 1 Story	Dudley st., Rox.	Hugh O'Brien Lot.	3,000 00	1,820	35,090	2,437 84	0 07	100	24 38
1875	Hull 8 " P.	Phillips Brooks	George A. Clough	2d " 2 Stories	Quincy st., Rox.	23,453	9,383 50	5,900	200,023	45,474 58	0 17	400	113 70
1884	Hyde 14 " G.	Hyde	A. H. Vinal	2d " 3 "	Hammond st.	20,754	27,001 50	9,515	628,105	121,661 81	0 20	700	173 80
1902	Hyde Park High [43–62]		Loring & Phipps	2d " 2 "	Everett st., H. P.	[43] 73,586	[41]	10,648	712,295	76,400 00	0 17		
1901	Ira Allen 6 Rooms P.	Sherwin	Wilson & Webber	2d " 2 "	Parker st., Rox.	20,051		9,253	287,720	54,084 45	0 19	300	180 28
1900	Jacob Foss 2 " P.	Frothingham	Schoolhouse Agent Department	3d " 1 Story	Adams and Chestnut sts., Chsn.	20,309	30,885 78	2,654	49,007	3,518 00	0 07	100	35 18
1911	James A. McDonald 2 " G.	Prescott	Brainerd & Leeds	2d " 2 Stories	Polk st., Chsn.	7,200	7,500 00	3,263	219,731	65,340 03	0 30	80	816 86
1905	James Otis [41] 18 " P.	Ulysses S. Grant	Winslow & Bigelow	1st " 3 "	Paris and Marion sts., E. B.	26,000	31,172 75	8,923	520,517	160,293 56	0 31	876	182 98
1904	Jefferson 10 Rooms G.	Jefferson	Shepley, Rutan & Coolidge	1st " 3 "	Heath st., Rox.	38,215	22,910 33	12,292	830,446	210,890 49	0 25	1,038	203 17
1876	John A. Andrew 16 " G.	John A. Andrew	George A. Clough	2d " 3 "	Dorchester st., S. B.	24,075	34,225 00	9,755	588,113	68,177 18	0 12	800	85 22
1901	John Boyle O'Reilly 14 " P.	John A. Andrew	Andrews, Jacques & Rantoul	1st " 3 "	Dorchester st., S. B.	24,947		7,112	442,652	112,839 00	0 25	672	167 91
1900	John Cheverus 16 " G.	John Cheverus	Brainerd & Leeds	1st " 2 "	Moore st., E. B.	53,986	29,206 40	13,773	528,581	102,076 35	0 19	704	145 80
1913	John D. Philbrick [42] 8 Rooms P.	Charles Sumner	Charles J. Bateman	2d " 2 "	Folsom st., W. R.	33,060	19,015 10	8,473	300,023	59,663 75	0 20	333	179 17
1905	John Greenleaf Whittier 10 " P.	Henry L. Pierce	Parker & Thomas	1st " 2 "	Southern ave., Dor.	34,374	9,029 50	7,063	305,598	74,736 15	0 24	478	156 35
1913	John J. Williams 12 " P.	Franklin	Andrews, Jacques & Rantoul	2d " 3 "	Groton st.	20,709		5,643	300,474	69,138 44	0 23	495	139 67
1911	John Lothrop Motley 4 " P.	Edward Everett	Schoolhouse Department	2d " 2 "	Savin Hill ave., Dor.	68,480	17,500 00	2,580	98,155	22,510 25	0 23	172	130 87
1911	John Winthrop 16 Rooms G.	John Winthrop	Maginnis & Walsh	2d " 2 "	Brookford and Dacia sts., Rox.	30,859	12,057 70	14,980	593,557	110,673 54	0 19	724	152 86
1905	Joseph Tuckerman 10 " P.	Gaston	Charles K. Cummings	1st " 2 "	Fourth and L sts., S. B.	21,584		7,152	317,733	77,423 25	0 24	480	161 30
1884	Joshua Bates 8 " P.	Dwight	A. H. Vinal	2d " 2 "	Harrison ave.	10,977		5,410	264,165	48,655 75	0 18	400	121 64
1898	Julia Ward Howe 12 " G.	Lewis	Alden Frink	2d " 4 "	Dale st., Rox.	27,850	4,174 35	9,504	373,980	64,784 71	0 17	600	107 98
1901	Julia Ward Howe Annex 1 Room M.	Lewis	Schoolhouse Department	3d " 1 Story	Dale st., Rox.	Julia Ward Howe Lot.		1,228				50	
1911	Lafayette 8 Rooms P.	Hyde	Schoolhouse Department	2d " 2 Stories	Ruggles st., Rox.	27,516	13,000 00	5,774	217,382	63,134 24	0 29	352	179 36
1856	Lawrence 13 " G.	Lawrence		2d " 4 "	B st., S. B.	14,343	11,994 50	5,478	415,016	42,334 40	0 10	650	65 13
1912	Lewis 17 " G.	Lewis	H. H. Atwood	2d " 2 "	Paulding st., Rox.	41,233	20,288 08	15,100	634,628	108,090 29	0 17	778	138 93
1895	Little Em'ly [7] 1 Room P.	Mary Hemenway	Schoolhouse Agent Department	3d " 1 Story	Adams st., Dor.	Harris Lot.		958				50	
1897	Longfellow [29] 18 Rooms G.	Longfellow	Walker & Kimball	2d " 3 Stories	Hewlett and South sts., Ros.	37,064	24,174 35	13,539	665,541	128,430 51	0 19	858	149 66
1845	Louisa May Alcott 11 " P.	Everett		2d " 3 "	West Concord st., near Newland st.	10,756		4,584	284,208			550	
1846	Louis Prang 6 " P.	Dillaway		2d " 3 "	Bartlett st., Rox.	13,879		2,280	130,712			300	
1874	Lowell 14 Rooms G.	Lowell		2d " 3 "	310 Centre st., J. P.	35,211	20,750 00	10,020	696,540			700	
1896	Lowell Annex 2 " G.	Lowell	Schoolhouse Agent Department	3d " 1 Story	Mozart st., J. P.	Lowell Lot.		1,060	40,786			100	
1884	Lucretia Crocker 8 " P.	Lowell	A. H. Vinal	2d " 2 Stories	Parker st., J. P.	30,000		5,105	264,911	53,060 22	0 20	400	132 65
1892	Lyceum Hall 7 " G.	Mather	E. M. Wheelwright	3d " 2 "	Meeting House Hill, Dor.	21,310	10,550 07	5,118	210,862	20,914 93	0 10	350	59 76
1892	Margaret Fuller 6 Rooms P.	Bowditch	E. M. Wheelwright	2d " 2 "	Glen rd., J. P.	14,252	8,538 70	4,406	192,158	39,933 54	0 28	300	133 11
1903	Marshall [15–28] 20 " P.	Oliver Wendell Holmes	Maginnis, Walsh & Sullivan	1st [22] " 2 "	Westville st., Dor.	48,591	12,807 75	21,143	837,931	183,843 30	0 22	910	157 93
1913	Martha Baker 4 " P.	Edmund P. Tileston	William H. McGinty	2d " 1 Story	Walk Hill st., Dor.	29,731	4,757 00	4,255	125,523	24,557 91	0 20	160	153 49
1885	Martin 14 " G.	Martin	A. H. Vinal	2d " 3 Stories	Huntington ave., Rox.	28,307	21,234 26	8,858	542,272	105,551 53	0 19	700	150 79
1897	Mary Hemenway 12 Rooms G.	Mary Hemenway	T. M. Clark	2d " 3 "	Adams st., Dor.	30,000	9,000 00	8,015	614,023	122,101 31	0 20	600	203 05
1897	Mary L. Brock 2 " P.	Bennett	Lewis H. Bacon	3d " 1 Story	Chestnut Hill ave., Bri.	25,000	13,750 00	3,500	115,358	19,989 76	0 17	100	199 90
1914	Mary Lyon 6 " G.	Bennett	Richardson, Barott & Richardson	2d " 1 "	Turner and Hester sts., Bri.	40,000	7,500 00	6,040	186,007	37,346 62	0 20	224	166 73
1905	Mather 30 " G.	Mather	Cram, Goodhue & Ferguson	1st " 3 Stories	Meeting House Hill, Dor.	123,050		20,221	1,267,043	289,332 09	0 23	1,650	175 30
1895	Mayflower [9] 1 Room P.	William E. Russell	Schoolhouse Agent Department	3d " 1 Story	Harbor View st., Dor.	Harbor View St. Lot.		901		2,328 50			
1897	Mayhew 14 Rooms P.	Wells	John Lyman Faxon	2d " 3 Stories	Chambers st.	14,128	135,953 43	7,020	551,538	107,197 80	0 19	700	153 14
1893	Mechanic Arts High [14–16–17]		E. M. Wheelwright	2d [17] " 3 "	Belvidere st.	37,300	148,080 10	14,500	2,211,013	[16] 648,643 01	0 29		
1919	Michael Angelo [61] 8 Rooms P.	Eliot-Hancock	Joseph McGuinness	1st " 1 Story	Charter st.	21,021	217,001 19	13,453	343,830	172,914 07	0 50	281	608 85
1874	Miles Standish 8 Rooms P.	Dudley	George A. Clough	2d " 3 Stories	Roxbury and King sts., Rox.	14,147	28,500 00	5,810	283,334	42,949 08	0 15	400	107 37
1887	Minot 7 " G.	Minot	A. H. Vinal	2d " 3 "	Neponset ave., Neponset	31,500	8,000 85	5,015	344,790	63,857 95	0 19	350	182 45
1913	Mozart 4 " P.	Longfellow	Gay & Proctor	2d " 2 "	Beech st., W. R.	29,932	5,986 40	2,628	107,228	22,891 00	0 21	148	154 67
1847	Mt. Pleasant-avenue 2 " P.	Dearborn		3d " 2 "	Mt. Pleasant ave., Rox.	9,510		1,039	35,274			100	

1847	Nahum Chapin	6 Rooms	P.	Harvard		2d "	3 "	Common st., Chsn.	7,001	7,006 40	1,679	97,798			300	
1909	Nathan Hale	12 "	P.	Dudley	Parker, Thomas & Rice	1st "	2 "	Cedar st., Rox.	45,821	17,370 00	7,392	329,683	67,231 82	0 24	480	140 08
1906	Nathaniel Hawthorne	9 "	P.	John Winthrop	William H. McGinty	1st "	3 "	Harlow st., Dor.	Howard Ave. Lot.		4,621	276,730	67,912 07	0 25	447	151 93
1874	Noble	8 "	P.	Emerson	George Ropes, Jr.	2d "	2 "	Princeton st., E. B.	17,500	5,047 00	1,900	247,792	48,598 00	0 20	400	121 50
1893	Noble Annex	2 Rooms	P.	Emerson	Schoolhouse Agent Department	3d "	1 Story	Princeton st., E. B.	Noble Lot.		2,400	49,607	2,999 77	0 06	100	30 00
1868	Norcross	14 "	G.	Norcross	George Ropes, Jr.	2d "	4 Stories	D st., S. B.	12,075	5,269 80	6,022	528,149	73,717 29	0 14	700	105 31
1907	Normal[41]				Peabody & Stearns Maginnis, Walsh & Sullivan Coolidge & Carlson	1st "	3 "	Huntington ave., Rox.	141,076	241,290 77	18,541	1,100,961	251,553 30	0 23	350	[52]940 65
1894	Oak-square	2 Rooms	P.	Bennett	E. M. Wheelwright	3d "	1 Story	Nonantum st., Bri.	17,066	6,015 48	3,005	109,682	20,000 00	0 18	100	200 00
1849	Old Agassiz	6 "	P.	Agassiz		2d "	3 Stories	Burroughs st., J. P.	Agassiz Lot.		3,250	193,473			300	
1855	Old Baker-street	1 Room	P.	Robert Gould Shaw		3d "	1 Story	Baker st., W. R.	10,164		1,006				50	
1855	Old Edward Everett	6 Rooms	P.	Edward Everett		3d "	2 Stories	Sumner st., Dor.	Richard C. Humphreys Lot.		3,772	168,420			300	
1857	Old Gibson	7 Rooms	P.	Oliver Wendell Holmes		3d "	2 "	Athelwold st., Dor.	O. W. Holmes Lot.		3,047	146,886			350	
1872	Old Mather	10 "	P.	Mather	Emerson & Fehmer	2d "	3 "	Meeting House Hill, Dor.	Mather Lot.		6,125	403,855	63,458 45	0 16	500	126 92
1848	Old Parkman[22]					2d "	3 "	Silver st., S. B.	5,306	4,150 00	2,086					
1904	Oliver Hazard Perry	14 Rooms	G.	Oliver Hazard Perry	Clough & Wardner	1st "	3 "	East Seventh st., S. B.	45,000	12,710 00	6,743	596,672	146,145 63	0 24	770	189 80
1910	Oliver Holden[2]	5 Rooms	P.	Warren		3d "	2 "	Pearl st., Chsn.	10,723	[2]12,132 00	1,743	70,201			200	80 66
1905	Oliver Wendell Holmes	24 "	G.	Oliver Wendell Holmes	A. W. Longfellow	1st "	3 "	School st., Dor.	88,006		16,163	975,129	195,648 02	0 20	1,224	159 84
1842	Parkman	12 "	P.	Lawrence		2d "	3 "	Broadway, S. B.	10,160	5,693 60	3,676	210,047			600	
1907	Patrick A. Collins[38-41]	17 Rooms	...		Peabody & Stearns Maginnis, Walsh & Sullivan Coolidge & Carlson	1st "	3 "	Worthington st., Rox.	Normal Lot.		13,048	721,037	166,222 50	0 23	604	[52]105 42
1919	Pauline Agassiz Shaw	10 "	P.	Roger Wolcott	James E. McLaughlin	1st "	2 "	Norfolk and Morton sts., Dor.	48,949	8,330 00	6,737	280,670	101,398 82	0 36	412	246 11
1904	Paul Jones[47]	11 "	P.	John Cheverus	Whitman & Hood	1st "	2 "	Horace st., E. B.	17,500	12,050 00	10,234	457,011	114,370 35	0 25	643	177 87
1898	Paul Revere	18 Rooms	P.	Hancock	Peabody & Stearns	1st "	3 "	Prince st.	18,086	206,333 22	11,572	681,078	157,263 28	0 23	900	174 70
1910	Peter Faneuil	17 "	P.	Wendell Phillips	Kelley & Graves	1st "	3 "	Joy st.	26,688	108,087 32	7,868	427,052	108,079 50	0 25	760	142 21
1914	Philip H. Sheridan	12 "	P.	Emerson	T. Edward Sheehan	2d "	2 "	Prescott st., E. B.	28,558	25,828 93	8,116	331,774	74,211 94	0 22	495	149 92
1900	Phillips Brooks	15 "	G.	Phillips Brooks	A. Warren Gould	2d "	3 "	Quincy and Perth sts., Dor.	38,026	16,850 26	10,394	714,519	114,650 17	0 16	750	152 87
1896	Phineas Bates	4 Rooms	P.	Longfellow	G. A. Avery	3d "	2 "	Beech st., Ros.	37,500	5,500 00	3,282	157,031	28,875 32	0 18	200	144 38
1850	Pierpont	4 "	P.	Quincy	Gridley J. F. Bryant	2d "	2 "	Hudson st.	4,216		3,140	73,980			160	
1891	Plummer[23]	16 "	P.	Samuel Adams	H. H. Atwood	2d "	2 "	Belmont st., E. B.	35,073	29,318 37	8,604	523,949	[23]89,210 52	0 17	800	111 50
1876	Polk-street	6 "	P.	Prescott	George A. Clough	2d "	2 "	Polk st., Chsn.	12,143		4,231	237,648	28,712 92	0 12	300	95 71
1855	Pormort	6 Rooms	P.	Eliot	Nathaniel J. Bradlee	2d "	4 "	Snelling pl.	4,373	5,614 83	2,116	108,974	13,540 86	0 12	300	45 14
1857	Prescott	10 "	G.	Prescott		2d "	3 "	Elm st., Chsn.	20,237		5,086	535,974			500	
1890	Prescott Annex	1 Room	M.	Prescott	Schoolhouse Agent Department	3d "	1 Story	Elm st., Chsn.	Prescott Lot.		1,245				50	
1875	Prince[28]	16 Rooms	G.	Prince	George A. Clough	2d "	3 Stories	Newbury st.	22,060	59,080 00	10,630	611,225	132,716 04	0 23	776	171 03
1880	Public Latin[12-41]				George A. Clough	2d "	3 "	Warren ave.	English High Lot.		32,677		[12]			
1847	Quincy[30]	14 Rooms	G.	Quincy		2d "	4 "	Tyler st.	16,026		8,286	491,418			700	
1915	Quincy E. Dickerman	16 "	P.	Phillips Brooks	J. A. Schweinfurth	2d "	2 "	Magnolia st., Dor.	44,100	6,771 36	9,171	384,789	88,458 70	0 23	677	130 80
1882	Quincy-street	2 "	P.	Mather	George A. Clough	3d "	1 Story	Quincy st., Dor.	16,413	7,000 00	2,029	57,273	4,071 75	0 09	100	40 72
1869	Rice	14 Rooms	G.	Rice	Emerson & Fehmer	2d "	3 Stories	Dartmouth st.	27,125		10,680	623,612			700	
1876	Richard C. Humphreys	10 "	P.	Edward Everett	George A. Clough	2d "	3 "	Sumner st., Dor.	33,890	Trans. from Dor.	6,080	350,042	42,984 98	0 12	500	85 97
1892	Richard Olney	8 "	G.	Robert Gould Shaw	E. M. Wheelwright	2d "	2 "	Hastings st., W. R.	40,000	$10,100 80	7,925	397,194	58,240 59	0 15	400	145 62
1919	Robert Gould Shaw	16 "	G.	Robert Gould Shaw	Blackall, Clapp & Whittemore	1st "	2 "	Mt. Vernon st., W. R.	81,470		14,591	549,105	182,279 50	0 33	704	258 92
1875	Robert Swan[15]	8 Rooms	P.	Roger Wolcott	George A. Clough	3d "	2 "	Thetford ave. and Evans st., Dor.	29,879	6,000 00	6,150	314,778	37,966 06	0 12	400	94 92
1918	Rochambeau	17 "	P.	Mary Hemenway	Joseph McGuinness	1st "	2 "	Gibson st., Dor.	38,230	Trans. from Public Works Dept.	10,625	431,524	143,326 93	0 33	764	187 60
1896	Roger Clap	10 "	P.	William E. Russell	William H. Besarick	2d "	3 "	Harvest st., Dor.	21,548	$9,477 50	7,430	472,342	67,180 70	0 14	500	134 36
1901	Roger Wolcott	15 "	G.	Roger Wolcott	Everett & Mead	2d "	3 "	Morton and Norfolk sts., Mat.	39,764	13,500 00	10,883	716,784	137,481 80	0 19	750	183 31
1891	Roxbury High[20]				A. H. Vinal	2d "	3 "	Warren st., Rox.	34,679	40,697 68	25,491	1,753,993	381,864 89	0 22		
1910	Samuel Adams[44]	22 Rooms	G.	Samuel Adams	Brigham, Coveney & Bisbee	1st "	3 "	Webster st., E. B.	40,680	39,407 50	12,258	602,060	143,812 94	0 24	908	158 38
1860	Samuel Dexter[7]	8 "	P.	Harvard		2d "	3 "	Harvard st., Chsn.	6,885		3,500	174,860			400	
1874	Samuel G. Howe	8 "	P.	Norcross	George A. Clough	2d "	2 "	Fifth st., S. B.	12,404	21,855 75	6,220	277,339	42,598 84	0 15	400	106 50
1905	Samuel W. Mason[13]	14 Rooms	P.	Hugh O'Brien	John A. Fox	1st "	3 "	Norfolk ave., Rox.	50,006	17,636 21	6,787	444,449	118,324 64	0 27	644	183 73
1919	Sarah Greenwood[54]	25 "	G.	William E. Endicott	Funk & Wilcox	1st "	2 "	Glenway and Harvard sts., Dor.	63,409	[55]21,453 43	20,584	841,252	275,374 42	0 33	1,116	246 75
1905	Sarah J. Baker[30]	24 "	P.	Lewis	Schweinfurth & Craig	1st "	3 "	Perrin st., Rox.	34,484	26,450 47	11,215	674,572	161,194 23	0 24	1,152	139 92
1884	Savin Hill[14]	4 "	P.	Edward Everett	A. H. Vinal	3d "	2 "	Savin Hill ave., Dor.	20,060	6,018 00	2,650	97,587	12,753 29	0 13	200	63 77
1877	School-street	2 Rooms	P.	George Putnam		3d "	1 Story	School st., W. R.	20,200	Geo. Putnam Lot.	2,145	42,014			100	
1824	Sharp	9 "	P.	Bowdoin		2d "	3 Stories	Anderson st.	5,887		3,169	178,573			450	
1870	Sherwin	16 "	G.	Sherwin	Emerson & Fehmer	2d "	3 "	Madison sq., Rox.	32,040	$22,428 00	10,550	682,585	103,909 53	0 15	800	129 88
1869	Shurtleff	14 "	G.	Shurtleff	Bryant & Rogers	2d "	3 "	Dorchester st., S. B.	40,553		6,887	631,215			700	
1840	Simonds	3 Rooms	P.	Bigelow		2d "	3 "	Broadway, S. B.	Hawes Hall Lot.		854	39,096			150	
1870	Skinner	6 "	P.	Abraham Lincoln	Nathaniel J. Bradlee	2d "	3 "	Fayette st.	5,238		2,540	154,940		0 17	300	88 14
1849	Smith-street	2 "	K.	Comins		3d "	2 "	Smith st., Rox.	6,052		1,037				100	
1824	Somerset-street	6 "	P.	Wendell Phillips		2d "	3 "	Somerset, corner Allston st.	6,300	22,000 00	2,004	67,141			300	
1901	South Boston High				Herbert D. Hale	1st "	3 "	Thomas pk., S. B.	124,571	23,893 86	25,467	1,470,508	343,710 76	0 23		
1895	Stephen M. Weld	6 Rooms	P.	Charles Sumner	E. M. Wheelwright	2d "	2 "	Seymour st., Ros.	34,266	3,785 64	4,795	227,634	47,418 62	0 21	300	158 06
1856	Stoughton	8 "	P.	Gilbert Stuart		3d "	2 "	River st., Dor.	29,725	1,477 77	4,524	179,439			400	
1873	Tappan	8 "	P.	Chapman	George Ropes, Jr.	2d "	2 "	Lexington st., E. B.	11,500	5,500 00	4,935	224,486	48,598 06	0 22	400	121 50
1870	Theodore Lyman	15 Rooms	G.	Theodore Lyman	Bryant & Rogers	2d "	3 "	Paris and Gove sts., E. B.	26,200	13,500 00	6,826	657,533	114,372 80	0 17	750	152 50
1867	Thomas Dwight	8 "	P.	Comins		2d "	2 "	Phillips st., Rox.	20,355		4,038	220,235			400	
1905	Thomas Gardner	14 "	G.	Thomas Gardner	Stickney & Austin	1st "	3 "	Athol and Brentwood sts., Bri.	60,410		14,057	737,714	140,207 57	0 19	770	182 17
1873	Thomas Gardner Annex	2 "	P.	Thomas Gardner	Gridley J. F. Bryant	3d "	2 "	Athol st., Bri.	Thomas Gardner Lot.		1,387	54,309			100	
1889	Thomas N. Hart	13 Rooms	G.	Thomas N. Hart	A. H. Vinal	2d "	3 "	East Fifth st., S. B.	26,264	30,000 00	6,716	629,512	130,099 61	0 21	650	201 54
1845	Thomas Starr King	8 "	P.	Bunker Hill		2d "	2 "	Bunker Hill st., Chsn.	Bunker Hill Lot.		2,038	123,220			400	
1847	Thornton-street	2 "	P.	Dillaway		3d "	2 "	Thornton st., Rox.	6,640		1,023	42,000			100	
1910	Trade School for Girls[1]		T.			2d "	3 "	620 Massachusetts ave.	11,300	[1]35,000 00		383,888				
1901	Trescott[37]	8 Rooms	G. and P.	Elihu Greenwood	Olstin M. Higgins	3d "	2 "	Tileston ave., H. P.	51,200		5,767	259,537	[37]38,180 00	0 15	400	95 37
1855	Tyler-street	6 Rooms	P.	Abraham Lincoln		2d "	3 "	Tyler st.	7,215	22,471 26	2,310	125,156			300	50 05
1912	Ulysses S. Grant	18 "	G.	Ulysses S. Grant	E. T. P. Graham	2d "	3 "	Paris st., E. B.	43,003	44,507 75	11,802	586,270	116,509 00	0 20	822	141 74
1869	Wait	8 "	P.	Franklin	Gridley J. F. Bryant	2d "	2 "	Shawmut ave.	16,341		4,100	171,380			400	
1856	Walnut-street	7 Rooms	P.	Minot		3d "	2 "	Walnut st., Neponset	22,790		3,603	149,344			350	
1867	Warren	14 "	G.	Warren		2d "	4 "	Sumner st., Chsn.	14,322		5,694	417,980			700	
1901	Washington	30 "	G.	Washington	Everett & Mead	1st "	4 "	Norman st.	24,889	106,568 50	17,937	1,173,323	325,541 60	0 28	1,560	208 68
1879	Washington Allston	10 "	G.	Washington Allston	George A. Clough	2d "	2 "	Cambridge st., Bri.	22,000	6,068 12	8,520	436,654	47,923 71	0 11	500	95 85
1889	Washington Allston Annex[2-44]	6 Rooms	G.	Washington Allston		3d "	2 "	Cambridge st., Bri.	11,477	[2]24,000 00	3,370	116,286			[16]264	
1870	Washington-street	2 "	P.	Francis Parkman		3d "	2 "	Washington st., Forest Hills	24,010		1,492	50,169			100	
1850	Way-street	3 "	P.	Quincy	Gridley J. F. Bryant	2d "	3 "	Way st., near Harrison ave.	2,808		1,429	77,295			150	
1895	Weld	2 "	P.	Elihu Greenwood	Fred A. Hall	3d "	1 Story	Highland st., H. P.	22,000		2,062	75,519	4,548 58	0 06	100	45 48
1868	Wells	12 Rooms	G.	Wells	Richards & Park	2d "	4 Stories	Blossom st.	13,121	21,408 80	6,016	452,629			500	
1914	Wells Annex	4 "	D	Wells		2d "	3 "	Blossom st.	William Blackstone Lot.		1,670	92,177				
1862	Wendell Phillips	14 "	G.	Wendell Phillips	Nathaniel J. Bradlee	2d "	4 "	Phillips st.	13,671	58,810 00	5,520	436,298			700	
1867	West Roxbury High[31]					1st "	3 "	Elm st., J. P.	47,001		16,170	1,227,735				
1897	William Bacon	10 Rooms	P.	Dudley	James Mulcahy	2d "	2 "	Vernon st., Rox.	25,072		6,193	523,243	80,288 40	0 15	500	160 58
1916	William Blackstone	24 "	G.	Wells	Harrison H. Atwood	1st "	4 "	Blossom st.	33,219	175,500 00	11,759	720,840	170,482 81	0 24	1,050	161 44
1912	William Bradford	8 "	P.	Roger Wolcott	John Lavelle	2d "	1 Story	Willowwood st., Dor.	41,052	6,155 80	8,230	246,887	42,714 04	0 17	372	114 82
1895	William Brewster	4 "	P.	Roger Wolcott	E. M. Wheelwright	3d "	2 Stories	Morton st., Mat.	34,895	Exchange with St. Dept.	3,042	149,540	26,100 48	0 19	200	130 50
1898	William Brewster Annex	2 Rooms	P.	Roger Wolcott	Schoolhouse Agent Department	3d "	1 Story	Morton st., Mat.	William Brewster Lot.		2,173	40,200	3,099 97	0 08	100	31 00
1861	William Cullen Bryant	8 "	P.	Dillaway		2d "	4 Stories	Kenilworth st., Rox.	6,090		3,400	200,294			400	
1900	William E. Endicott	10 "	P.	Oliver Wendell Holmes	James E. McLaughlin	1st "	2 "	McLellan st., Dor.	38,807	$3,874 05	7,065	334,104	79,057 77	0 21	476	166 09
1903	William E. Russell[32]	18 "	G.	William E. Russell	James Mulcahy	1st[32] "	2 "	Columbia rd., Dor.	50,079	29,250 00	15,473	900,215	188,524 56	0 21	976	192 14
1861	William Eustis	6 Rooms	P.	Hugh O'Brien		2d "	3 "	George st., Rox.	18,894		3,045	181,801			300	
1895	William H. Kent[17]	6 "	P.	Frothingham	E. M. Wheelwright	2d "	2 "	Moulton st., Chsn.	15,817		3,860	230,750	[17]53,485 43	0 23	300	178 08
1910	William Lloyd Garrison[51]	18 "	P.	George Putnam	Newhall & Blevins	1st "	2 "	Hutchings st., Rox.	45,006	15,750 90	11,300	473,800	157,070 98	0 33	812	193 44
1892	William Wirt Warren	8 "	P.	Thomas Gardner	E. M. Wheelwright	2d "	2 "	Waverly st., No. Bri.	27,137	5,200 00	6,050	254,338	39,053 09	0 15	400	97 63
1892	Williams	4 Rooms	P.	George Putnam	E. M. Wheelwright	2d "	2 "	Homestead st., Rox.	20,145	7,053 88	3,560	148,274	40,242 40	0 27	200	201 21
1885	Winchell[23]	18 "	P.	Wells	A. H. Vinal	2d "	3 "	Blossom st.	16,202		8,220	466,358	115,069 24	0 25	900	127 85
1901	Winship	12 "	P.	Bennett	Whitman & Hood	2d "	2 "	Dighton st., Bri.	34,306		10,475	520,341	116,799 29	0 22	600	194 66
1857	Winthrop-street	4 "	P.	Dearborn	Richards & Park	2d "	3 "	Winthrop st., Rox.	9,775		2,140	79,287			200	
1900	W. L. P. Boardman	8 Rooms	P.	Lewis	James Mulcahy	2d "	2 "	Munroe st., Rox.	17,639		5,881	250,079	53,457 60	0 21	400	133 64
1892	Wyman[50]	9 "	P.	Lowell	E. M. Wheelwright	2d "	2 "	Wyman st., J. P.	30,414	10,083 51	5,071	241,532	57,003 71	0 23	389	146 54

NOTES.

G.— Elementary, higher grades. P.— Elementary, lower grades. K.— Kindergarten. M.— Manual Training. S.— Special. T.— Trade School. D.— Domestic Science.

The cost of building does not include the architect's commission.

The cost of the buildings erected between 1875 and 1891 taken from City Architect's Report, 1894.

In nearly all of these buildings there were additional charges for carpentry and painting, covering items now included in the contract for building, such as bookcases, fittings of cookery and manual training rooms, telephones, electric fixtures, the painting and tinting of walls, etc.

Previous to 1909 in counting rooms only class-rooms are taken, and pupils are averaged at fifty to a room; since 1909, rated number of pupils and cost per pupil are figured by actual seating capacity of building according to size of class-rooms.

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[1] The cost of this building includes cost of repairing adjoining property.
[2] This cost includes cost of building.
[3] Nine-room addition, 1910, Schoolhouse Department, Architects, $68,073.99.
[4] Addition built in 1899, Public Buildings Department, Architects.
[5] Grading, 1897, 1898, 1899, $6,772.09.
[6] This cost includes cost of Public Latin.
[7] Remodelled in 1872.
[8] Remodelled in 1850, Charles A. Cummings, Architect.
[9] Cookery School.
[10] Cost of work benches and other equipment not included.
[11] Two-room addition built, 1907, $11,744.24 — $241.25 for grading.
[12] Cost of land and building included in cost of English High.
[13] Includes three kindergarten rooms. Five class-rooms, manual training room and assembly hall added, 1913, Maginnis & Walsh, Architects.
[14] Addition built, 1902, Wales & Holt, Architects.
[15] Addition built in 1895, E. M. Wheelwright, Architect.
[16] Each room accommodates forty-five pupils.
[17] This cost includes $7,485.43 expended as an extra on increased depth of foundation necessitated by the condition of the site.
[18] Piles driven to support foundation. Six-room addition built, 1917, $52,475.56. Desmond & Lord, Architects.
[19] Three rooms, assembly hall and gymnasium added, 1913, James E. McLaughlin, Architect.
[20] Four-room addition built in 1904 and six-room addition built in 1908, C. B. Perkins, Architect.
[21] Addition built in 1898, Andrews, Jacques & Rantoul, Architects.
[22] Used as storehouse.
[23] Six-room addition built, 1907, $47,914.40, Schoolhouse Department, Architects.
[24] Alterations made in original school, 1908, $22,073.40, Wheelwright & Haven, Architects. Addition, containing thirty-three rooms and assembly hall, built in 1908, $433,256.05, Wheelwright & Haven, Architects.
[25] Three rooms added in 1904 and three rooms in 1908.
[26] Eighteen-room addition, 1910, Hartwell, Richardson & Driver, Architects.
[27] Mill construction.
[28] Occupied by branch of English High School.
[29] Eight-room addition, 1909, C. Howard Walker, Architect.
[30] One-half used as branch of Roxbury High School.
[31] Two-room addition built in 1912, Schoolhouse Department, Architects, $15,253.22.
[32] First-class construction except roof.
[33] Eight rooms and gymnasium addition, 1910, eleven rooms, 1911, Coolidge & Carlson, Architects.
[34] Land donated to town of Hyde Park by Mr. Elihu Greenwood.
[35] Land donated to town of Hyde Park by Mr. Lemuel Green.
[36] Land donated to town of Hyde Park by Mrs. Hemenway.
[37] Four-room addition added, 1911, Olstin M. Higgins, Architect.
[38] Thirteen rooms and study hall addition built, 1912, James H. Ritchie, Architect.
[39] Four class-rooms, manual training and cooking room added, 1912, H. L. Wardner, Architect.
[40] Six-room addition built, 1913, H. H. Atwood, Architect.
[41] Nine-room addition built, 1913, Coolidge & Carlson, Architects, $96,090.99.
[42] Contains assembly hall.
[43] 42,737 square feet transferred from old town of Dorchester.
[44] Six-room addition built in 1913, Brigham, Coveney & Bisbee, Architects.
[45] Addition built, 1914, contains assembly hall and master's office, $19,620.39, Edward I. Wilson, Architect.
[46] Eight rooms and assembly hall added, 1914, $60,705.29, Charles K. Cummings, Architect.
[47] One-half used by branch of East Boston High School.
[48] Two-room addition built, 1907, Schoolhouse Department, Architects.
[49] Three-room addition built, 1910, Schoolhouse Department, Architects, $14,832.50.
[50] Addition built, 1917, $58,588.03, J. A. Schweinfurth, Architect.
[51] Eight-room addition built, 1918, $90,910.59, Newhall & Blevins, Architects.
[52] Common Building is used in common by the Normal, Girls' Latin and Patrick A. Collins Buildings, and cost per pupil is apportioned proportionately.
[53] Ten-room addition added, 1920, $123,108.52, Charles R. Greco, Architect.
[54] Contains assembly hall.
[55] Amount paid for 63,409 square feet, $35,000 and 10,000 square feet of land presented to city as a memorial to Sarah Greenwood.

[illegible] to February 1, 1920 † Contains Assembly Hall and Special Class-rooms. ‡ Contains four shops.